CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Dec. 19	Buffalo, N. Y.	Dec. 8
Dec. 20	Dayton, O.	Dec. 15
Dec. 21	Hammond, Ind. Adv. Dec. 15.	Dec. 15
Dec. 27	Walla Walla, Wash.	Dec. 8
Dec. 27	Morris, Minn.	Dec. 15
Dec. 27	Winona, Minn.	Dec 15

SEWERS

Dec. 19	Spring Lake, N. J.	Dec. 8
Dec. 19	Akron, O.	Dec. 8
Dec. 19	Lansing, Mich. Adv. Dec. 15.	Dec. 15
Dec. 19	Phila., Pa.	Dec. 15
Dec. 20	Passaic, N. J.	Nov. 24
Dec. 20	Warren, O. Adv. Dec. 1 to 15.	Dec. 8
Dec. 20	Long Island City, N. Y.	Dec. 15
Dec. 21	Brooklyn, N. Y.	Dec. 15
Dec. 21	Brazil Ind. Adv. Dec. 15.	Dec. 15
Dec. 21	Belleville, Ill.	Dec. 15
Jan. 2	Marceline, Mo.	Dec. 15
Jan. 4	Appleton, Wis.	Dec. 15
Jan. 13	Milwaukee, Wis. Adv. Dec. 8 and 15.	Dec. 8

WASTE DISPOSAL

Dec. 20	Alameda, Cal.	Dec. 8

BRIDGES

Dec. 19	Phila., Pa.	Nov. 17
Dec. 20	Illinois	Dec. 8
Dec. 20	Topeka, Kan.	Dec. 15
Dec. 21	Baltimore, Md. Adv. Dec. 8 and 15.	Dec. 8
Dec. 21	St. Marys, Ga. Adv. Dec. 8 and 15.	Dec. 15
Dec. 22	Madison, Wis.	Dec. 1
Dec. 23	Fresno, Cal.	Dec. 15
Jan. 10	Lake Charles, La. Adv. Dec. 15.	Dec. 15

RAILWAYS

Jan. 9	Ontario	Dec. 15

EXCAVATION AND DREDGING

Dec. 20	Carrollton, Mo. Adv. Dec. 1 to 15.	Dec. 8
Dec. 20	Holly, N. Y.	Dec. 8
Jan. 4	Belzoni, Miss. Adv. Dec. 15.	Dec. 15
Jan. 7	Riverton, Wyo.	Nov. 10
Jan. 7	Duluth, Minn.	Oct. 13

STREETS AND ROADS

Dec. 19	Wadena, Minn.	Dec. 8
Dec. 19	Dallas, Tex.	Dec. 8
Dec. 19	Greenfield, Ind.	Dec. 1
Dec. 19	El Centro, Cal.	Dec. 1
Dec. 19	Elmhurst, Ill.	Nov. 17
Dec. 19	Georgetown, Tex.	Dec. 8
Dec. 19	Breckenridge, Minn	Dec. 8
Dec. 19	Benton, Ill.	Dec. 8
Dec. 19	Olton, Tex.	Dec. 8
Dec. 19	California	Dec. 8
Dec. 19	Mt. Rainer, Md.	Dec. 8
Dec. 19	New York, N. Y.	Dec. 15
Dec. 19	St. George, S. I., N. Y.	Dec. 15
Dec. 20	Illinois	Dec. 8
Dec. 20	Kansas City, Kan.	Nov. 17
Dec. 20	New Mexico	Dec. 8
Dec. 20	Charleston, S. C.	Dec. 15
Dec. 20	El Paso, Tex.	Dec. 15
Dec. 20	Sioux City, Ia.	Dec. 15
Dec. 20	Stockton, Cal.	Dec. 15
Dec. 20	Tampa, Fla.	Dec. 15
Dec. 21	Little Falls, Minn.	Nov. 24
Dec. 21	Kentucky	Dec. 15
Dec. 21	Jefferson, Ia.	Dec. 15
Dec. 22	New York, N. Y.	Dec. 15
Dec. 22	Stapleton, S. I., New York	Dec. 15
Dec. 22	Missouri Valley, Ia.	Dec. 15
Dec. 22	Oakland, Cal.	Dec. 15
Dec. 22	Pecos, Tex.	Dec. 8
Dec. 22	Barnwell, S. C.	Dec. 15
Dec. 23	Iola, Kan.	Nov. 24
Dec. 23	Fresno, Cal.	Dec. 15
Dec. 23	Johnson City, Tex.	Dec. 15
Dec. 27	Algona, Ia.	Dec. 15
Dec. 30	Moundsville, W. Va.	Dec. 15
Jan. 3	Stockton, Cal.	Dec. 15
Jan. 4	Florida	Dec. 15
Jan. 5	Florida	Dec. 15

Bids Close		See Eng. News-Record
	INDUSTRIAL WORKS	
Dec. 20	Brockport, N. Y.	Dec. 8
Dec. 20	Phila., Pa.	Dec. 8
Dec. 21	Marcy, N. Y.	Dec. 8
Dec. 27	Fernwood (Trenton P. O.), N. J. Adv. Dec. 15.	Dec. 15
Jan. 15	Corning, Ia.	Dec. 15
	BUILDINGS	
Dec. 19	Detroit, Mich.	Dec. 8
Dec. 20	Missoula, Mont.	Oct. 20
Dec. 20	Bozeman, Mont.	Oct. 20
Dec. 20	Butte, Mont.	Oct. 20
Dec. 20	Phila., Pa.	Dec. 8
Dec. 20	Princeton, N. J.	Dec. 8
Dec. 20	St. Louis, Mo.	Dec. 8
Dec. 20	Brookline, Mass.	Dec. 15
Dec. 20	Boston, Mass.	Dec. 15
Dec. 21	Willard, N. Y. Adv. Dec. 8 and 15.	Dec. 8
Dec. 22	Tulsa, Okla.	Dec. 8
Dec. 22	Secaucus (Weehawken P. O.) N. J.	Dec. 15
Dec. 23	Eldorado, Kan.	Nov. 24
Dec. 23	Toledo, Ohio	Dec. 8
Dec. 23	New Orleans, La.	Dec. 8
Dec. 27	Petaluma, Cal.	Dec. 8
Dec. 28	Flint, Mich.	Dec. 8
Dec. 29	Columbus, O.	Dec. 8
Dec. 30	Dallas, Tex.	Dec. 15
Jan. 1	Detroit, Mich.	Nov. 17
Jan. 1	Phila., Pa.	Dec. 15
Jan. 17	Madison, Wis.	Dec. 8
Feb. 1	Williamsport, Pa.	Sept. 3
Feb. 1	Duluth, Minn.	Oct. 27
	FEDERAL GOVERNMENT WORK	
Dec. 19	Hospital—Milwaukee, Wis.	Dec. 1
Dec. 19	Material—Augusta, Ga.	Dec. 8
Dec. 19	Water Treating Plant—Dawson Springs, Ky.	Dec. 15
Dec. 20	Extension to Workroom, etc.—Oak Park, Ill.	Dec. 8
Dec. 20	Terminal — Vicksburg, Miss.	Dec. 8
Dec. 20	Mailing Vestibule, etc.—Oak Park, Ill.	Dec. 8
Dec. 21	Fire Protection System — Charleston, S. C.	Dec. 8
Dec. 23	Cement and Steel—Modesto, Cal.	Dec. 15
Dec. 27	Lighting Plant, etc.—Baltimore, Md.	Dec. 15
Dec. 28	Deferrization Plant—Annapolis Md.	Dec. 15
Dec. 28	Gas, Water, etc.—San Diego, Cal.	Dec. 15
Dec. 28	Dredging—South Brooklyn, (Brooklyn P. O.), N. Y.	Dec. 15
Dec. 28	Valve—Denver, Col.	Nov. 17
Dec. 29	Parcel Post Office—Minneapolis, Minn.	Dec. 15
Dec. 29	Structures—Savage, Mont.	Nov. 17
Jan. 4	Lighting System—San Diego, Cal.	Dec. 15
Jan. 4	Quarters—Duluth, Minn.	Dec. 15
Jan. 12	Distribution System — Watertown, S. D.	Dec. 15
	MISCELLANEOUS	
Dec. 20	Electric Wiring, etc—Brooklyn, N. Y. Adv. Nov. 3 to Dec. 15.	Nov. 24
Dec. 21	Sanitary Work—Binghamton, N. Y.	Dec. 1
Dec. 21	Cranes, etc. — Stapleton, N. Y.	Dec. 15
Dec. 21	Ties—San Francisco, Cal.	Dec. 15
Dec. 22	Baseball Stadium — New York, N. Y. Adv. Dec. 8 and 15.	Dec. 8
Dec. 22	Power Shovels—New Orleans, La. Adv. Dec. 15.	Dec. 15
Dec. 22	Shed—New Orleans, La. Adv. Dec. 15.	Dec. 15
Dec. 23	Oil Tanks and Boilers—New Orleans, La. Adv. Nov. 3 to Dec. 8.	Nov. 3
Dec. 23	Cement and Steel—Modesto, Cal.	Dec. 15
Dec. 28	Water Supply System—Metuchen, N. J.	Dec. 8
Dec. 29	Seawall—Portland, Me. Adv. Dec. 8 and 15.	Dec. 15
Dec. 29	Transit Shed, etc.—Tacoma, Wash.	Dec. 15
Jan. 3	Electroliers—Redwood City, Cal.	Dec. 15
Jan. 4	Turbo-Generator — Lincoln, Neb.	Dec. 15

Bids Close		See Eng. News-Record
Jan. 4	Railway Material—San Francisco, Cal.	Dec. 15
Jan. 4	Wharf Cranes—Rochester, N. Y. Adv. Dec. 8 and 15.	Dec. 8
Jan. 12	Distribution System—Watertown, S. D.	Dec. 15

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. C., Mt. Holly—Mayor soon takes bids water and sewerage system. $100,000. Carolina Eng. Co., Wilmington, engrs. Noted May 26.

Wis., Oconto Falls—Making plans improving and extending waterworks, incl. 1 mi. mains, new reservoirs, etc. $25,000. W. S. Reichardt, Watertown, engr.

Minn., Virginia—Plans to extend mains to purification plant, and make connections. $20,000. E. F. Johnson, city engr.

Mo., Burlington Junction—Defeated $39,000 bonds mains and sewers. E. T. Archer & Co., 612 New England Bldg., Kansas City, engrs. Noted Dec. 1.

Mo., Portageville—City of New Madrid making plans 6 in. c.i. mains, pumps, tank and tower, here. $40,000. A. C. Moore, Joplin, engr. Noted Sept. 15.

Tex., Jacksonville—Voted $150,000 bonds for waterworks improvements. T. E. Acker, mayor. Noted Dec. 1.

Okla, Tulsa—Voted $6,800,000 bonds for additional water supply, to be brought from Spavinaw Creek. J. D. Trammel, Ft. Worth Club Bldg., Ft. Worth, Tex., and W. R. Holway of Holway Eng. Co., 230 Lynch Bldg., Tulsa, engrs.

Ont., Essex—City Council considers modification of equipment in its electrically operated pumping station, with a view to reduction in operating cost. A. Gilboe, supt.

Ont., Petrolea—Takes bids about Jan. 3 for 750,000 gal. concrete and steel reservoir, screen chamber, two electrically driven centrifugal pumps, valves, venturi meter and recorder. $42,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs. Noted Nov. 24.

Ont., Port Credit—Plans pumping plant, pumphouse, pumps, c.i. mains, hydrants, valves and water tank. $75,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., St. Thomas—Plans extending water system to Yarmouth Heights and industrial area. $25,000. A. Miller, City Hall, engr.

BIDS DESIRED

O., Dayton—Dec. 20, by Comrs. Montgomery Co., 12,860 lin.ft. of 6-10 ft. trench and 14,730 lin.ft. 6-12 in. Class B c.i. pipe, in East Park Sanitary Sewer Dist. 1. $50,000. K. B. Allen, 606 U. B. Bldg., engr.

Ind., Hammond—Dec. 21, at office Bd. Pub. Wks., steam generating equipment, etc. J. A. Malo, clk. Water Dept.; adv. this issue.

Minn., Morris—Dec. 27, iron filtration plant, rein.-con. settling basin and aerator, filters and pumping equipment. $16,000. C. F. Tweed, 531 Metropolitan Bank Bldg., Minneapolis, engr.

Ark., Lepanto—J. P. Gaines, 206 Falls Bldg., Memphis, Tenn., receiving bids 60 cu.ft. capacity air compressor, 50 and 100 kw generators connected to oil engine, 5 and 15 hp. motors, 4 mi. 4-10 in. c. i. waterpipe, underwriters pump to deliver 500 gal. per min. against 100 lb. pressure, 100,000 gal. 100 ft. steel tank, erected, 100 ft. air tanks, meters, with and without boxes, hydrants, valves, etc. and 5 mi. 6-12 in. salt glazed vitr. sewer pipe, all f.o.b. Lepanto.

BIDS RECEIVED

O., Cleveland—Opened bids Dec. 1, 8 steam turbine reduction-gear driven centrifugal pumping units, from Dravo-Doyle Co., Leader News Bldg., $410,950; Allis-

Waterworks (Continued)

Chalmers Mfg. Co., 122 South Michigan Ave., Chicago, $464,900; Worthington Pump & Mchy. Co., Rockefeller Bldg., $510,000. Noted Nov. 10.

O., West Park—Opened bids Dec. 2, laying 31,000 ft. 4-8 in. c.i. mains, from Trifoletti Bros., Lorain, $65,886; Salem & George Bros., 237 Bradley Court, Cleveland, $67,374; Water & Sewer Impvt. Co., West 98th St., Cleveland, $67,594. Noted Nov. 24.

Minn., St. Paul—H. W. Austin, city purch. agt., opened bids Dec. 5, 7,500 bbl. portland cement, from Gopher Lime & Cement Co., Griggs and Fuller Sts., $2.26 cars, $2.40 delivered, Thompson Yards, Inc., 1645 Hennepin Ave., Minneapolis, $2.31 net delivered, St. Paul Builders Material Co., 605 Ryan Annex, $2.31 cars, $2.40 delivered, Steifel Fuel & Cement Co., 501 Concord St., $2.31 cars, $2.40 delivered; 2,500 cu.yd. silica sand and 5,000 cu.yd. gravel, J. L. Shiely, Co., 305 Dakota Bldg., $2.50 per cubic yard for gravel, $1.40 for sand, both truck delivered. Noted Dec. 1.

CONTRACTS AWARDED

N. Y., Syracuse—Bd. Contract & Supply, City Hall, furnishing 6 mi. 8-36 in. (mostly 36 in.) c.i. pipe for Sect. 1 of 3rd Skaneateles-Syracuse Conduit, to Warren Fdry. & Machine Co., 11 Bway., New York, $227,050; laying c.i. pipe, to A. L. Anderson & Bros., Altoona Trust Bldg., Altoona, Pa., $115,156; furnishing all gate and air valves to Eddy Valve Co., South Waterford St., Troy, $6,515. Noted Dec. 8.

N. C., Rocky Mount — Water and gas mains, by day labor. $20,000.

Tex., Decatur—For waterworks plant and extensions, to Winslett-Eldrige Co., 1001 Main St., Dallas, $118,017. Noted Nov. 10.

Mich., Detroit—Electrical equipment for pumping station on Randolph St., to Turner Eng. Co., 452 Larned St., $50,461. Noted Dec. 8.

Minn., St. Paul—H. W. Austin, city purch. agt., material for Water Dept., 2,400 inverted key curb stops, 150 brass gate valves, 2,240 corporation cocks, 185 goosenecks and 925 fibre washers, to Union Brass & Metal Mfg. Co., Lawson and Mackubin Sts., $4,095; twelve 20 in. flange end, hydrant rising gate stem gate valves, vertical, twelve 24 in., horizontal, twelve 24 in., 45 deg. angle, two 12 in. hub ends, hydrant rising stem gate valves, one 24 in. hub end, hand-operated, non-rising stem spur, geared gate valve, one 48 in. hub end, hand-operated, non-rising, stem bevel geared gate valve, to Kennedy Valve Mfg. Co., East Water St., Elmira, N. Y., $15,158. Noted Nov. 24.

Tex., Graham — For waterworks and sewerage plant, to James Contg. Co., Eastland, $133,000. Noted Nov. 10.

Sewers

PROPOSED WORK

Pa., Beaverdale—Plans 1½ mi. sanitary sewerage system. J. A. Fortenbaugh, Harrisburg, state health engr., and C. Stokes, Harrisburg making surveys. I. A. Boucher, c/o Beaver Run Coal Co., Beaverdale, interested.

Pa., Ellwood City — Plans sewage disposal plant. $100,000. A. Main, 228 6th St., boro. engr. R. Winthrop, Cleveland, O., consult. engr.

N. C., Mt. Holly—See "Waterworks."

Fla., West Palm Beach—Dec. 27, to vote on $100,000 bonds for storm and sanitary sewers. K. D. Riddle, city mgr.

Mich., Detroit—Plans made 5,530 ft. Six Mile Rd. Sewer, Sect. 4, brick or monolithic concrete, incl. 4,509 ft. 10 ft. 6 in. cylinder and balance varying in size to 30 in. cylinder; also 4,241 ft. Lateral 3572, 1,201 ft. Lateral 3574, and 1,350 ft. Lateral 3575, vitr. crock, 12-20 in. pipe. C. W. Hubbell, city engr.

Mich., Springwells—Making plans and soon receives bids for sewerage system. Will be contracted for in sections as follows, pumping station, incl. electrically driven centrifugal pumps; sewage treatment plant, settling tanks and sludge beds; 13,000 ft. sanitary trunk sewer, 5 ft. 6 in. to 6 ft. diam.; 460 ft. combined trunk sewer with outlet across Michigan Central R.R., 13 ft. 6 in. x 18 ft., also 3,000 ft. in open cut; 9,200 ft. cylindrical sect. in tunnel or open cut, 6 to 10 ft. diam.; brick or concrete. $1,250,000. A. Roth, village engr. C. W. Hubbell, 2348 Penobscot Bldg., Detroit, consult. engr. Noted Oct. 20.

Ill., Cairo — Bd. Local Impvts. making plans sanitary sewerage system in 38th St. Dist., 10-54 in. vitr. tile and concrete pipe. $110,000. G. F. Dewey, City Hall, engr.

Okla., Ramona — Having preliminary plans prepared 3 mi. sewerage system and disposal plant. $40,000. V. V. Long & Co., Ramona, engrs.

Ont., Toronto—See "Streets and Roads."

BIDS DESIRED

N. Y., Brooklyn—Dec. 21, by E. Riegelmann, boro pres., Boro Hall, sewers in 83rd St. between 21st Ave. and Bay Parkway and Bay Parkway between 83rd and 85th Sts., Maple St. between Troy and New York Ave., Ave S between East 18th and East 19th Sts., Ave U between Van Sicklen and West 5th Sts., Riverdale Ave. from Williams to Alabama Aves.

N. Y., Long Island City—Dec. 20, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., sewer in Grand St. from Willow to Clermont Aves., 2nd Ward, Wierfield St. from Wyckoff Ave. to Brooklyn Boro line, 2nd Ward, Jefferson Ave. from Wyckoff to Cypress Aves., 2nd Ward, Cooper Ave. from Irving to Wyckoff Aves., 2nd Ward, Metropolitan Ave. from Fresh Pond Rd. to Prospect St. and Vincent St. from Metropolitan Ave. to Bleecker St., 2nd Ward, 163rd St. (Kendall Pl.-23rd St.) from 43rd Ave. (California Ave.-Cypres Ave.) to Canford Ave., 3rd Ward, Haydock (20th) St. from California (Cypress) Ave. to Sanford Ave., Sanford Ave. from Gerold (19th) St. to Haydock (20th) St. and Haydock (20th) St. from Sanford Ave. to Lucerne Pl., 3rd Ward, 86th Ave. (Windom St.) from Forest Parkway to point about 275 ft. east of Forest Parkway, 4th Ward, temporary dry weather flow sewer in Junction Ave. from Maurice to Corona Aves., sewer in Corona Ave. from Junction to Toledo Aves. with temporary connection for dry weather flow only at Junction Ave., 2nd Ward, reconstruction outlet at Far Rockaway Disposal Plant, 5th Ward.

Pa., Phila.—Dec. 19, by F. H. Caven, dir. pub. wks., new 5 ft. concrete sewer in Tulip St. between Somerset St. and Lehigh Ave., also reconstructing pavement on above street. $50,000. C. Frommer, City Hall, engr.

Ind., Brazil—Dec. 21, by F. K. DeArmey, city clk., sewage treatment plant. G. A. Sheehan, city engr.; adv. this issue.

Mich., Lansing—Dec. 19, at office J. A. Parsons, city clk., 5,000 ft. sewers; adv. this issue.

Ill., Belleville—Dec. 21, 25,000 ft. 12 in. vitr. tile sewers, 740 cu.yd. excav., etc. $28,000. C. A. Henzelman, Belleville, engr.

Wis., Appleton—Jan. 4, by E. L. Williams, city clk., 1,610 ft. 48-84 in. rein.-con. trunk sewers in Atlantic St. and Belair Park, $45,000 to $50,000. O. Weissgerber, City Hall, engr.

Minn., Winona—Dec. 27, 385 ft. 18 in. c.i. mains, 33,651 ft. 8-18 in. vitr. clay pipe, 107 brick manholes, etc. $60,000. Former bids rejected. E. E. Chadwick, city engr. Noted Nov. 17.

Mo., Marceline—Jan. 2, for 65,000 lin.ft. 8-12 in. vitr. sewers and 2 rein.-con. reverse flow Imhoff tanks, etc. Benham & Mullergren, Firestone Bldg., Kansas City, engrs. Noted Oct. 6.

CONTRACTS AWARDED

N. J., Wallington—Passaic Valley Sewerage Comrs., 128 Market St., Newark, superstructure for Wallington pumping station, part of Sect. 19, to H. S. Jones Bldg. Co., Inc., 280 Madison Ave., New York, $54,200.

N. C., Rocky Mount—Sanitary sewers to L. D. Harper, Rocky Mount, $30,000. Noted Oct. 13.

Fla., West Palm Beach—Clay sewer, to J. C. Mishler, c/o M. D. Carmichael, West Palm Beach, $60,337. Noted Nov. 17.

Ill., Urbana—For 8-12 in. glazed tile sewers in Coler and Busey Aves., Dist. 18, to Liedeman Bros., Urbana, $28,000. Noted Dec. 1.

Ia., Dubuque — Globe Portland Cement Co., seven or eight 1 and 2 story buildings, cement storage tanks, storage pits, trackage, etc., to H. C. Struchen, 405 Dakota Bldg., St. Paul, Minn., $2,000,000. *Item should be listed under Industrial Works.*

Neb., Omaha—For 17,490 ft. vitr. clay sewers between 38th and 42nd Sts., from Burlington and Missouri R.R. to X St., to H. J. Peterson, 213 Farnum Bldg., $31,945.

Neb., Omaha — Chicago Rock Island & Pacific R.R., 1416 Dodge, 1296 ft. 72 in. rein.-con. sewers, etc., from 16th and Mason Sts. to 19th and Pierce Sts., to J. J. Hanighan, 617 South 14th St., $26,500.

Col., Boulder—For 12-42 in. storm sewers in Dist. 2, concrete pipe above 24 in., to Mitchell & Albertson, Boulder, $92,329; storm sewer in Dist. 3, to F. Dobson, 1444 Lafayette St., Denver, $12,012.

Utah, Salt Lake City—For 6 mi. 8-15 in. vitr. sanitary sewers, to J. O'Connor, 1025 10th St. N., $100,383. Noted Nov. 17.

Waste Disposal

PROPOSED WORK

Wis., Sheboygan—Making plans 60 x 80 ft. brick and steel addition to present incinerator and additional garbage disposal apparatus. $30,000. C. U. Boley, City Hall, engr.

Bridges

PROPOSED WORK

Conn., Unionville—Town of Farmington plans to replace present wooden bridge over Farmington River, here, with steel bridge. $25,000. Engineer not selected.

North Carolina—State Hy. Comn., Raleigh plans rein.-con. bridge over Richardsons Creek, State Project 694, Union Co. $30,000. C. M. Upham, state highway engr.

Fla., Miami—Bakers Hanlover D. D., c/o J. C. Baile, chn., 1304 South River Dr., having plans prepared 200 ft. steel bridge, 3 arches, over channel. $50,000. H. Crabtree, 13th St. and Ave. S, engr.

Alabama—State Hy. Dept., Montgomery, had plans prepared and soon takes bids one 180 ft. 9 in. and two 102 ft. 6 in. steel spans, concrete floor, 18 ft. roadway, on old Louisville & Nashville R.R. piers, on Mulberry Fork of Warrior River. Piers to be repaired by State Highway forces. W. S. Keller, State Highway Engr.

La., New Orleans—Appalachian Corp. Inc. of Louisiana, 412 Gravier St., having plans prepared for overhead bridge, 1,425 ft. long, 26 ft. high, 11 ft. wide, steel on concrete foundation, extending from warehouse on South Front St. to dock on Robin St. $50,000. W. C. Keenan, Standard Theatre Bldg., archt.

Mo., Kansas City—Making plans 480 ft. concrete and steel bridge with 5 spans, 40 ft. roadway, over Brush Creek from Swope Parkway and Benton Blvd. $200,000. Harrington, Howard & Ash, Orear Leslie Bldg., engrs.

Tex., Abilene—Taylor Co. making plans 198 ft. bridge over Mulberry Creek on Highway 1, to have 6 concrete deck girder spans, 30 ft. clear span. $27,760. H. E. Elrod Co., Interurban Bldg., Dallas, engrs.

Col., Denver — City and Union Pacific R.R., 16th and Dodge Sts., Omaha, Neb., plan steel and concrete viaduct starting at 26th and Market Sts. and extending ½ mi. across tracks and river. $350,000-$400,000. Engineer not selected.

Cal., Guerneville—Sonoma Co. (Santa Rosa) take bids in March, 3 span steel bridge, concrete approaches, over Russian River, here. $100,000. R. P. Smith, Santa Rosa, engr.

Cal., Sacramento—Supervs. Sacramento Co. opens bids early in 1922, steel bridge near Paintersville, $75,000; steel bridge near Courtland, $150,000. D. Butler, co. engr.

Que., Thurso—J. and G. Black, Ltd., does not plan to build combined bridge and dam. This corrects report in Nov. 24 issue.

BIDS DESIRED

Ga., St. Marys—Dec. 21, by St. Marys Bridge Co., steel draw and 977 lin.ft. trestle across St. Marys River; adv. this issue.

La., Lake Charles—Jan. 10, by W. J. Prater, pres. Police Judy Calcasieu Parish, at office Parish Clerk, Moss Bluff Highway Bridge across Calcasieu River. Terrell-Bartlett Engrs., Calcasieu Bldg., San Antonio, Tex., engrs.; adv. this issue.

Kan., Topeka—Dec. 20, by Shawnee Co., c/o D. A. Graham, clk., Seward Bridge, 110 ft. steel truss; Cross Creek Bridge, 120 ft. steel truss or rainbow arch span; Big Soldier Bridge, 100 ft. steel truss or rainbow arch span. $60,000. A. C. Lagerwall, 1723 Harrison St., co. engr.

Kan., Topeka—Dec. 20, by city, c/o E. Covell, clk., 110 ft. rein.-con. and steel bridge, 30 ft. roadway, two 5 ft. sidewalks, over Creek on Lake St. $25,000. W. Baldry, City Hall, engr.

Cal., Fresno—Dec. 23, by Bd. Supervs. Fresno Co., 7 rein.-con. bridges on Fowler-Laton Rd., 739 cu.yd. concrete, 60,030 lb. reinforcing and 6,020 lin.ft. piling. C. P. Jensen, Cory Bldg., engr.

BIDS RECEIVED

S. D., Yankton — Meridian Highway Bridge Co., opened bids Nov. 29, steel superstructure of bridge, double deck, length incl. approaches 5,820 ft., span length 1,680 ft., over Missouri River, from Amer. Bridge Co., 20 South La Salle St., Chicago, $280,987; Mount Vernon Bridge Co., Mt. Vernon, O., $293,248; Wisconsin Bridge

Bridges (Continued)

& Iron Co., North Milwaukee, Wis., $316,650. Noted Nov. 24.

Tex., Denton—Denton Co. opened bids Nov. 22, 240 ft. bridge over Elm Creek on Highway 24, from F. P. McElwrath, Corsicana, $21,985; Austin Bros. Bridge Co., Coombs St., Dallas, $22,339; L. E. Whitham, Wichita Falls, $23,920. Noted Nov. 17.

CONTRACTS AWARDED

W. Va., Morgantown — Monongalia Co., bridge over Cheat River at Ices Ferry, to Independent Bridge Co., May Bldg., Pittsburgh, Pa., $51,240. Noted Nov. 17.

Okla., Muskogee—Muskogee Co., constructing K. O. & G. Bridge Federal Aid Project 51, Sect. A, to Vincinnes Bridge Co., Vincinnes, Ind., $94,069; Frisco Bridge, Federal Aid Project 51-B & 52, to Virginia Bridge & Iron Co., Roanoke, Va., $395,517; Whitefield Bridge, Federal Aid Project 51, Sect. C, to Missouri Valley Bridge & Iron Co., Penn. Ave., Leavenworth, Kan., $133,470. Noted Oct. 6.

North Carolina—State Hy. Comn., Raleigh, rein.-con. bridges and culverts on State Project 511, Caswell Co., to C. B. Hester, Greensboro, $30,785; State Project 525, Davidson Co., to Austin Bros. Bridge Co., Hurt Bldg., Atlanta, Ga., $37,700. Noted Dec. 1.

Cal., Sacramento—Bd. Supervs. Sacramento Co., steel and concrete bridge over Sacramento River, 1 mi. above Isleton, (556,000 lb. structural steel, to be furnished by county), to Jenkins & Elton, 36th and Y Sts., $118,633.

Dams

PROPOSED WORK

Conn., Windsor—See "Industrial Works."

Wyo., Afton — Oswald Basin Land & Water Co., Idaho Falls, Idaho, had plans prepared dam 65 ft. high at crest line, 55 ft. at spillway level, 900 ft. at base and 100 ft. at top, core wall 24 ft. thick, to impound water of Salt River, near here. $500,000. F. V. Riley, Idaho Falls, Idaho, engr. Noted May 5.

Wyo., Greybull—Greybull Valley Irrigation Dist., c/o Skovard, Basin, plans earth dam on Sunshine Creek, to impound 50,000 acre feet of water, and supply canal from Greybull River to reservoir. $800,000. Will probably mature in spring. J. B. True, Cheyenne, and L. G. Carpenter, 1st Natl. Bank Bldg., Denver, Col. engrs.

Railways

PROPOSED WORK

California—City and San Francisco Co. considering selection of route for extending Municipal Railway system into Sunset Dist. Four routes proposed; Duboce Ave., $2,467,000; Eureka Valley, $1,900,000; Grove St., $1,300,000; Laguna Honda, $914,000. Each of four routes require construction of tunnel. M. M. O'Shaughnessy, city engr.

Ontario—Canadian Pacific Ry., Windsor St., Montreal, Que., plans enlarging yards, incl. new sidings and freight sheds, at Windsor. $156,000. J. A. Irvine, London, div. engr.

Ontario—City of Windsor plans rearrangement of street car tracks on Sandwich St. $100,000. A. Brian, City Hall, engr.

BIDS DESIRED

Ontario — Jan. 9, at office of W. H. Maund, secy.-treas., Temiskaming & Northern Ontario Ry. Comn., North Bay, 70 mi. road from Cochrane to point near New Post, incl. clearing, grubbing, ballasting tracks, rails, stations, water towers, etc. $3,000,000. S. B. Clement, North Bay, ch. engr. Noted Dec. 1.

Excavation and Dredging

PROPOSED WORK

Conn., Hartford—See "Miscellaneous."

Fla., Miami — Bakers Hanlover D. D., c/o J. C. Balle, chn., 1304 South River Dr., having plans prepared digging 200 x 1,400 ft. channel from Atlantic Ocean to Biscayne Bay, 100,000 to 150,000 cu.yd. earth excav. $40,000. H. Crabtree, 12th St. and Ave. S, engr.

Minn., Fairmont—Martin Co. plans ditch in Fairmont and Silver Lake Twps. $200,000. H. C. Nolte, aud.

Mo., St. Joseph—Buchanan Co. had preliminary plans prepared 5 mi drainage ditch 12 extending from Lake Station to Missouri River and draining 15,000 acres, 500,000 cu.yd. excav. and five 60 ft. bridges. $140,000. Leslie-Barnes Eng. Co., Amer. Natl. Bank Bldg., engrs.

BIDS DESIRED

Miss., Belzoni—Jan. 4, at office Comrs. Belzoni D. D., redredging and cleaning out ditches. C. E. Miller, engr.; adv. this issue.

CONTRACTS AWARDED

Minn., Mantorville—Dodge Co., Ditch 5, 51,750 ft. 8-36 in. tile, 600 lin.ft. of cleanout of outlet, etc., to F. E. Esser, Mankato, $36,134. Noted Nov. 24.

Wyo., Riverton—Riverton Valley D.D., 9 mi. 10-18 in. tile, 45,000 cu.yd. excav., to C. Thompson, Brandis Bldg., Omaha, Neb., $101,572. Noted Aug. 11.

Streets and Roads

PROPOSED WORK

Massachusetts—State Hy. Dept., Boston, plans 11,558 ft. Worcester-Springfield Rd., West Leicester, $91,000, 5,556 ft. Providence Pike, Norwood, $45,000, 19,317 ft. highway, Haverhill and Merrimac, $155,000, 15,200 ft. Pittsfield-Springfield Rd., Lee, $120,000, 19,810 ft. highway, Erving, $158,480, 7,400 ft. road from Boston to Plymouth, $59,000, 7,300 ft. Plymouth-Sandwich Rd., Plymouth, $59,000, 11,400 ft. Middleboro-Wareham Rd., Wareham and Rochester, $91,000, 13,800 ft. Worcester-Springfield Rd., West Palmer and Monson, $114,000, 34,075 ft. Providence Pike, Walpole, Norfolk and Wrentham, $282,000, all foregoing concrete; 5,795 ft. Hinsdale Rd., Dalton, $34,800, 5,300 ft. Windsor Rd., Dalton, $31,000, 9,310 ft. highway, Lunenburg, $54,000, 34,800 ft. highway and 6 bridges, Winsor, Cummington and Goshen, $243,000, 17,550 ft. highway, Williamstown and New Ashford, $100,000, 22,378 ft. highway, Brimfield, $132,000, 23,354 ft. Mohawk Trail Route, Shelburne, $140,000, 13,400 ft. Uxbridge-Milford Rd., Mendon, $100,000, 18,650 ft. Clinton-Worcester Rd., West Boylston and Sterling, $11,000, 55,927 ft. Newburyport Turnpike, Topsfield, Ipswich and Newbury, $330,000, 20,060 ft., Boston-Lowell Rd., Burlington, $120,000, 16,037 ft. highway, Great Barrington, $96,000, bituminous macadam; 53,225 ft. Westfield-Granby-Monville Rd., Southwick, $26,000, bituminous macadam and gravel; 19,542 ft. Taunton-Boston Rd., Easton, $136,000, concrete and bituminous macadam, A. W. Deane, 413 Statehouse, Boston, engr.

N. J., Jersey City—Had plans prepared and takes bids in February widening and paving, etc., 1,000 ft. Bergen Ave., 2,000 lin.ft. curbing, 5,600 sq.yd. asphalt or concrete. $60,000. C. A. Van Keuren, City Hall, engr.

N. J., Jersey City—Hudson Co. takes bids early in 1922, paving about 4,000 ft. Bergen Turnpike from Gregory Ave. to Hudson Blvd., 40 ft., granite block on concrete. $180,000. F. J. Radigan, Newark Ave., co. engr.

North Carolina—State Hy. Comn., Raleigh, plans clearing, grading and surfacing 13.5 mi. road from Albemarle to Cabarrus Co. line, State Project 685, Stanly Co., $65,000; grading and hard surfacing 4.3 mi. road from end of Project 692 to Bakers Siding, State Project 692, Union Co., $100,000. C. M. Upham, state highway engr.

North Carolina—State Hy. Comn., Raleigh, plans grading, surfacing and bridging 10.1 mi. road from Hendersonville to Buncombe Co. line, State Project 836, Henderson Co., $65,000; grading and surfacing 9.5 mi. from Hanes to Yadkin River, Etate Project 741, Forsyth Co., $50,000; 5.5 mi. from end of Federal Aid Project 136, via Mocksville, to Federal Aid Project 85, State Project 731, Davie Co., $35,000; 10.3 mi. from Reynolds to Yadkin River, State Project 742, Forsyth Co., $50,000; 5 mi. from Hendersonville to Horseshoe, State Project 832, Henderson Co., $30,000; clearing, grading and surfacing 11.1 mi. from Ogburn to Stokes Co. line toward Walnut Cove, State Project 743, Forsyth Co., $55,000; 12.4 mi. from Newland to Burke Co. line, State Project 803, Avery Co., $75,000; grading and hard-surfacing 2 mi. from Belews Creek to Guilford Co. line, State Project 744, Forsyth Co., $50,000; clearing, grading, bridging and surfacing 12.6 mi. from Jefferson to Alleghany Co. line, State Project 712, Ashe Co., $75,000; 15.1 mi. from Ashe Co. line to Sparta, State Project 702, Alleghany Co., $85,000. C. M. Upham, state highway engr.

S. C., Camden — Mayor opens bids in about six weeks hard surfacing various streets, $500,000. Carolina Eng. Co., Wilmington, N. C., engrs.

Fla., Inverness—Citrus Co. plans paving 10 mi. various roads, 16 ft. $180,000. E. V. Camp, Macon, Ga., engr.

Fla., Lake Wales—Voted $600,000 bonds paving 13 mi. various streets, 9 to 24 ft., probably brick or asphalt block. J. W. Turner, Raymondo Bldg., Lakeland, engr. Noted Oct. 6.

Fla., St. Petersburg—Plans paving 3 mi. various streets, 16 to 36 ft., 50,000 sq.yd. vitr. brick or asphalt block. $150,000. E. C. Garvin, City Hall, engr.

Fla., West Palm Beach—Dec. 27, to vote on $100,000 bonds for paving streets and $25,000 bonds for sidewalks. K. D. Riddle, city mgr.

O., Xenia—Making plans paving 2 mi. Church St. and several others, 24-30 ft., brick or sheet asphalt. $130,000. Address C. Zell, city mgr.

Mich., Sturgis—Takes bids early in 1922, 5 mi. concrete or asphalt pavement. R. D. Ballew, city mgr.

Ill., Joliet—Making plans paving various streets, asphalt on concrete. $52,084. R. S. Calkins, Joliet Natl. Bank, city engr.

Wis., Salem — Kenosha Co. (Kenosha), voted $165,000 bonds improving 5½ mi. Geneva Rd., 18 ft., concrete. J. F. Herzog, Kenosha, comr.

Minn., Minneapolis—Hennepin Co. plans to grade and gravel surface various roads. $600,000. E. E. Terrell, co. engr.

Neb., Omaha—J. A. Bruce, city engr., takes bids in January or February, improving Military Ave. from 52nd to 72nd Sts., 13th St. from Missouri Ave. to county line, 16th St. from Douglas St. to Carter Lake Blvd., incl. 2½ mi. asphalt resurfacing, 1½ mi. repaving and 1½ mi. new paving, involving 40,000 sq.yd. vitr. brick, 60,000 sq.yd. asphalt resurfacing, 7,000 cu.yd. earth excav., 22,000 sq.yd. concrete base. $300,000.

Neb., Wakefield—Probably open bids in January, 18,000 sq.yd. vitr. brick paving. $80,000.

Missouri — State Hy. Dept., Jefferson City, plans graveling 9.02 mi. Federal Aid Project 183, 16 ft., Dunklin Co. $121,000. W. S. Murray, Citizens Bank Bldg., Sikeston, engr.

Mo., St. Joseph—Bd. Pub. Wks. making plans curbing, guttering and paving King Hill Ave. from Alabama to Pawnee Sts., asphalt on concrete. $27,000. W. K. Seitz, City Hall, engr.

Mo., St. Joseph—Buchanan Co. had plans prepared and soon takes bids paving 14 mi. Dekalb Rd., 500 cu.yd. asphaltic binder and 91,218 sq.yd. asphaltic concrete, cost $121,522, or 91,218 sq.yd. reconstructed base course and 91,218 sq.yd. bituminous macadam, $123,144. J. D. Mohler, Court House, engr. Noted Nov. 24.

Tex., Brenham—Attorney Generals Dept., Austin, approved $40,000 bonds, paving streets in business section. G. A. Bracher, Brenham, consult. engr.

Tex. Edinburg. —Hidalgo Co. voted $1,250,000 bonds improving State Highway and lateral county roads. P. S. Devine, Pharr, co. engr. Noted Nov. 17.

Okla., Ardmore—Carter Co. plans paving various roads bituminous concrete. $500,000. R. J. Edwards, Ardmore, co. engr.

Cal., San Luis Obispo—Supervs. San Luis Obispo Co. having plans prepared and take bids about January grading 13¼ mi. Arroyo Grande-Huasna Rd. Plan to surface road when grading is completed. W. Burch, Lowe Bldg., engr.

Cal., Santa Rosa—Bd. Supervs. Sonoma Co. soon takes bids grading 3 mi. Guerneville-Jenner Highway, Sect. B, $40,000, 2 mi. Pocket Canyon Rd., 5th Rd. Dist., $20,000; takes bids in February grading 35 mi. road from Jenner to Mendocino Co. line highway, $140,000; takes bids after March grading 19 mi. Valley-Ford-Freestone to Guerneville Jenner Highway, $75,000. R. P. Smith, Santa Rosa, engr.

Ontario — Dept. Provincial Highways, Parliament Bldgs., Toronto, takes bids early in spring, concrete paving 6 mi. Talbot Rd. from Essex to Maidstone. $150,000. J. J. Dewhirst, Essex, engr.

Ontario — Dept. Provincial Highways, Parliament Bldgs., Toronto, plans 40 mi. of 18 in. shoulders, bituminous penetration macadam, on Toronto-Hamilton Highway. $200,000. G. Hogarth, Parliament Bldgs., Toronto, ch. engr.

Ont., Toronto—Plans concrete sidewalks on Bowmore Rd., $2,475; concrete curbs on Godfrey Ave. and Small St., $3,771; 17,000 sq.yd. asphalt pavement on concrete base, concrete curbs and gutters, on Fairmont Crescent, Wrenson Rd., Small St., Godfrey and Pullen Aves., $91,573; asphalt surfacing Dufferin St., $15,397. R. C. Harris, city engr.

Ont., Toronto—Plans widening Bloor St. from Sherbourne St. to Spadina Ave., from 66 to 85 or 86 ft., incl. new pavements, sidewalks and storm sewers. $1,250,000. R. C. Harris, city engr.

Streets and Roads (Continued)

BIDS DESIRED

N. Y., New York—Dec. 19, by H. H. Curran, pres. Manhattan Boro, widening and repaving roadway of 181st St., curb to rail, from St. Nicholas Ave. to Bway., asphalt block on concrete.

N. Y., New York—Dec. 22, by Park Bd. at office Dept. Parks, Municipal Bldg., paving portions of drives in Central Park, sheet asphalt on concrete. F. D. Gallatin, pres.

N. Y., S. I. St. George—Dec. 19, by C. D. Van Name, pres. Richmond Boro, Boro Hall, paving Great Kills Rd. from Amboy Rd. to Southfield Blvd., bituminous macadam to width 18 ft. centrally located.

N. Y., S. I. Stapleton—Dec. 22, by C. D. Van Name, pres. Richmond Boro, Boro Hall, Staten Island, paving roadway in rear of new bulkhead extending from southerly end of Simonson Ave. to Arrietta St., here, second-hand granite blocks on sand bed.

Pa., Pittsburgh—Receiving bids grading, paving and curbing Baker St. from Morningside Ave. to Butler St., 17,660 cu.yd. excav., 5,660 sq.yd. block stone pavement, 4,285 ft. concrete curb ,etc., $40,500; grading, paving, repairing and curbing Broad St. from North Highland to Hamilton Aves., 8,339 q.yd. sheet asphalt resurfacing, 4,206 ft. concrete curb, 18,997 sq.ft. concrete sidewalks, etc. $37,000. C. M. Reppert, city engr.

W. Va., Moundsville—Dec. 30, by J. E. Chase, clk. Marshall Co., constructing .6 mi. Ramp Hollow Rd. and 2.33 mi. Waynesburg Rd.

S. C., Barnwell—Dec. 22, by Comrs. Barnwell Co., sand clay surfacing 9.74 mi. Lees-Williston Rd., between Bamberg Co. line and Elko, 4,318 cu.yd. excav. and 23,979 cu.yd. sand clay surfacing. J. S. Still, superv.

S. C., Charleston—Dec. 20, at office Sanitary & Drainage Comn., 39 Broad St., sand clay surfacing 4.54 mi. Mountains to Sea Highway between fork at Goose Creek and Dorchester Co. line, 23,750 cu.yd. excav., 1,500 cu.yd. strippings on clay pits, 11,180 cu.yd. sand clay surfacing. J. W. Martin, 39 Broad St., engr.

Florida—Jan 4, by State Rd. Dept., Tallahassee, hard surfacing with bituminous macadam, cement concrete, bituminous concrete, sheet asphalt, rock asphalt or cement grouted brick, 5.7 mi. Rd. 1, through McClenny, Project 21, Baker Co., $171,000; 8.9 mi. from Columbia Co. line east on Rd. 1, Project 22, Baker Co., $276,000; 15.4 mi. Sect. Rd. 1, east of Lake City to Baldwin, Project 11, Duval, Nassau and Baker Counties, $462,000; 12.8 mi. from end of brick road west of Jacksonville to Baldwin, Project 23, $384,000, all 16 ft. J. A. Mortland, state bridge engr. Noted Nov. 17.

Florida—Jan. 5, by State Rd. Dept., Tallahassee, hard surfacing with bituminous macadam, cement concrete, bituminous concrete, sheet asphalt, rock asphalt or cement grouted brick, 12.8 mi. road from Sisco to Volusia Co. line, (excepting Crescent City), Project 18, Rd. 3, Putnam Co., $384,000; 12.6 mi. along Rd. 2 from Burnetts Lake to Gainesville, Project 33, Alachua Co., $378,000; 8.6 mi. along Rd. 2 from Plymouth to Mt. Dora, Project 13, Orange Co., $258,000; 191,960 sq.yd. shell base along Rd. 3, from De Leon Springs to Putnam Co. line, Volusia Co., $130,000. J. A. Mortland, state bridge engr.

Fla., Tampa—Dec. 20, 12,000 yd. asphalt block paving and 2,600 ft. granite curbing. R. D. Martin, city engr.

Kentucky—Dec. 21, by State Hy. Dept., Frankfort, shaping and surfacing 2.3 mi. Lauisville-Paducah Rd., from east corporate limits of Bradenburg, Mead Co., with waterbound macadam, waterbound macadam surface treated or bituminous macadam penetration type, 123 sta. crowning, shaping and ditching, waterbound macadam involves 10,977 ton crushed limestone, waterbound macadam surface treated 10,977 ton crushed limestone, 4391 gal. prime coat, $7,319 gal. cold oil or med, tar spec., 275 ton stone chips, bituminous macadam penetration type, 10,293 ton crushed limestone, 823 ton stone chips, 49,400 gal. bituminous material; 3.6 mi. Lexington-Winchester Rd. from Chilesburg Rd., Fayette Co., rock asphalt, bituminous concrete topeka mix or rein.-con., 5,306 cu.yd. earth and 251 cu.yd. borrow excav., 37,856 sq.yd. scarifying and reshaping, 129 cu.yd. concrete, 720 cu.yd. macadam excav., 4,141 ton crushed limestone shoulders, rock asphalt involves 2,912 ton rock asphalt, 15,972 ton crushed limestone, bituminous concrete topeka mix 15,972 ton crushed limestone, 37,856 sq.yd. bituminous concrete, rein.-con. 37,856 sq.yd. rein.-con.; 8 mi. Greenup-Ashland Rd. from Boyd Co. line, Greenup Co., rein.-con., bituminous macadam penetration type, brick on slag or limestone base, 37,355 cu.yd. earth, 777 cu.yd. rock, 25,321 cu.yd. borrow, 1,200 cu.yd. macadam and 1,636 cu.yd. channel excav., 882 cu.yd. concrete, 81,893 lb. reinforcing, 2,525 sq.yd. brick hillside paving, rein.-con. involves 79,631 sq.yd. rein.-con. paving, 1,105 ton crushed limestone or 966 ton crushed slag, bituminous macadam penetration type 179,177 gal. bituminous material, 2,986 ton stone chips, 41,993 ton crushed limestone or 36,741 ton crushed slag, brick 32,801 ton crushed limestone or 28,697 ton crushed slag, 72,433 sq.yd. brick paving; Ashland-Greenup Rd., from northwest city limits of Ashland to Greenup Co. line, Boyd Co., brick, bituminous macadam penetration type or rein.-con., 3,039 cu.yd. excav., brick involves 5,000 sq.yd. brick, 2,187 ton crushed limestone or 1,914 ton crushed slag, bituminous macadam penetration type, 2,795 ton crushed limestone or 2,446 ton crushed slag, 197 ton stone chips, 11,843 gal. bituminous material, rein.-con., 5,264 sq.yd. rein.-con.; 2.6 mi. Paducah-Mayfield Rd. from Blandville Rd., McCracken Co., rock asphalt, bituminous macadam penetration type or rein.-con., 5,065 cu.yd. excav., 4,525 sq.yd. scarifying and reshaping, 2,222 cu.yd. bank gravel shoulders, rock asphalt involves 2,155 ton rock asphalt, 3,938 ton crushed limestone, 6,527 cu.yd. bank gravel base, bituminous macadam penetration type, 3,500 ton crushed limestone, 6,527 cu.yd. bank gravel base, 68,000 gal. bituminous material, 1,050 ton stone chips, rein.-con., 28,000 sq.yd. rein.-con.; shaping and grading 7.8 mi. Mayo Trail from Laurel Creek, Boyd Co., 40,411 cu.yd. earth, 40,874 cu.yd. rock and 4,586 cu.yd. borrow excav., 1,590 lf. ft. 18-24 in. D. S. vitr. pipe, 1,365 cu.yd. concrete, 78,444 lb. reinforcing. J. S. Boggs, state highway engr.

Ia., Algona—Dec. 27, Auditor Kossuth Co., paving primary road from here east to Hancock Co. line; gravel surfacing primary road from Burt north to Gerled.

Ia., Jefferson—Dec. 21, Auditor Greene Co., grading 8 mi. Primary Rd. Project 153, from Dana north to Webster Co. line, 66,705 cu.yd. earth excav., 47,690 ft. 6 in. tile.

Ia., Missouri Valley—Dec. 22, by J. F. Clinkenbeard, clk., grading and paving Dist. 1, (State Aid) 10,000 cu.yd. excav., 11,072 sq.yd. paving; Dist. 2, 6,997 cu.yd. excav., 17,906 ft. curb and gutter, 57,985.5 sq.yd. paving; Dist. 3 1,420 cu.yd. excav., 10,104.7 sq.yd. paving. C. L. Huff, Logan, engr. Noted Nov. 24.

Ia., Sioux City—Dec. 20, Auditor Woodbury Co., grading and paving 7.02 mi. primary Rd. from Salix north toward here, 5.7 mi. Sioux City-Smithland Rd., southeast from here, Federal Aid Project 119; 0.92 mi. Primary Rd. Project 187, through Moville, 9,770 sq.yd. paving and 3,523 cu.yd. excav., together with 12,770 sq.yd. paving and 4,505 cu.yd. excav., local Moville work.

Tex., El Paso—Dec. 20, by E. B. McClintock, judge El Paso Co., grading, paving and draining 5.53 mi. Highway 3S from Socorro to San Elizario, 29,800 cu.yd. borrow and 1,770 cu.yd. roadway excav., 172.4 cu.yd. concrete, 59,700 sq.yd. concrete or bituminous concrete pavement, 10,620 lb. reinforcing. $176,800 incl. 10% for engineering nd contingencies. L. A. White, co. engr.

Tex., Johnson City—Dec. 23, by W. Malting, judge Blanco Co., grading and bridging 5.41 mi. State Highway 20 A, Austin-Fredericksburg Rd., 31,382 cu.yd. roadway, 4,215 cu.yd. loose and 1,703 cu.yd. solid rock excav., 263.18 cu.yd. concrete, 22,384 lb. reinforcing, $27,850; 6.72 mi. State Highway 46, Federal Aid Project 244-A, 15 acres clearing, 23,075 cu.yd. borrow, 28,999 cu.yd. roadway, 3,744 cu.yd. loose and 624 cu.yd. solid rock excav., 667.85 cu.yd. concrete, 988 sq.yd. concrete pavement, 46,550 lb. reinforcing, $44,559; 7.5 mi. State Highway 46, 16 acres clearing, 26,647 cu. yd. borrow, 57,327 cu.yd. roadway and 440 cu.yd. solid and loose rock excav., 723.5 cu.yd. concrete 451 sq.yd. concrete pavement, 46,751 lb. reinforcing, $51,610. W. C. Yeager Blanco, co. engr.

Cal., Fresno—Dec. 23, by Bd. Supervs. Fresno Co., paving 3.6 mi. Sanger-Centerville, Rd., Spec. 1, 5,300 cu.yd. excav. and 314,995 sq.ft. 5 in. asphaltic concrete paving, Type A top, Spec. 2, same as 1 except Warrenite top; 4.3 mi. Fowler-Laton Rd., Spec. 1, 8,600 cu.yd. excav., 5,530 cu.yd. 5 in. concrete base, $60,920 sq.ft. 1½ in. asphalt top, Type A, Spec. 2, same as 1 except Warrenite top, Spec. 3, 5 in. asphaltic concrete paving, Type A top, Spec. 4, same as 3 except Warrenite top; 4.1 mi. Centerville-Dunlap Rd., macadam, 8,050 cu.yd. excav., 10,600 ton gravel. C. P. Jensen, Cory Bldg., engr.

Cal., Oakland—Dec. 22, by City Council, extending Skyline Blvd., 3 mi. to Redwood Park, 54,385 cu.yd. excav. and 400 lin.ft. 10 in. vitr. pipe conduit. G. Mattis, city engr.

Cal., San Luis Obispo—Bd. Supervs. San Luis Obispo Co. receiving bids cement sidewalks, 4 in. thick, 5 ft. wide, portions of Main and 5th Sts., in Rd. Impvt. Dist. 2; 3rd, 4th, 5th, 6th and 7th Sts., in town of Morro, Impvt. Dist. 3. $38,500. W. Burch, Lowe Bldg., engr.

Cal., Stockton—Dec. 20, grading, curbing, guttering, surfacing and laying sidewalks on East St. from Main to Fremont Sts., 3,029 lin.ft. curb and gutter, 10,282 sq.ft. sidewalk, 86,808 sq.ft. 2½ in. cement gravel base with 4½ in. asphaltic concrete wearing surface. W. B. Hogan, city engr.

Cal., Stockton—Jan. 3, grading, curbing, guttering, surfacing and laying sidewalks on various streets in City Park and Lakeside Terraces, 6,072 cu.yd. excav., 10,528.95 lin. ft. curb and gutter, 51,125 sq.ft. sidewalk, 174,159 sq.ft. 4 in. cement gravel base with 2 in. asphaltic macadam wearing surface; in Lake Park Addition, 8,764 cu.yd. excav., 16,124 lin.ft. curb and gutter, 76,655 sq.ft. sidewalks, 293,146 sq.ft. 4 in. gravel base with 2 in. macadam wearing surface. W. B. Hogan, city engr.

BIDS RECEIVED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., opened bids Dec. 12, paving (1) Decatur St., grading and laying gutters where necessary on (2) 3rd St., grading sidewalk space and laying sidewalks on (3) westerly side of 130th St., repaving (4) Kingsland Ave., (5) Jamaica Ave. (Hempstead and Jamaica Turnpike), etc., from Sicilian Asphalt Paving Co., 41 Park Row, New York (1) $10,893, (4) $11,357; Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, (1) $11,217, (4) $11,095, (5) $167,514; Cleveland Trinidad Paving Co., Flushing (1) $12,487, (4) $10,582, (5) $189,735; Contractors Service Corp., 228 Jackson Ave. (2) $23,428; Daley Bros., (2) $23,547; Welsh Bros. Contg. Co., 14 Queens St., Astoria, (2) $23,654; C. Kurth, 9519 126th St., Richmond Hill, (3) $1,358; Peace Bros., Inc., 20 Main St., Flushing, (3) $1,421; Kennedy & Smith, Inc., 93 Amity St., Flushing, (3) $1,692; W. P. McDonald Constr. Co., 618 Union St., Brooklyn, (5) $180,305. Noted Dec. 8.

N. Y., New York—H. H. Curran, pres. Manhattan Boro, Municipal Bldg., opened bids Dec. 6, widening and repaving (1) 60th St., repaving (2) East 61st St., (3) Bleecker St., (4) East 52nd St., (5) 69th St., (6) East 76th St., from Interboro Asphalt Co., 2306 Creston Ave., (1) $12,702, (3) $3,615 (5) $11,814; Brusstar Constr. Co., Inc., Harlem River and 150th St., (1) $12,742, (2) $10,794, (3) $3,603, (4) $24,201, (5) $11,814, (6) $6,281; C. D. Beckwith, Inc., 301 West 108th St., (1) $14,165, (2) $11,809, (3) $3,976; J. E. Gaffney, 438 East 91st St., (2) $10,384, (4) $23,450, (6) $6,091; Asphalt Constr. Co., 2197 Madison Ave., (4) $24,859, (5) $13,340, (6) $6,387. Noted Dec. 1.

N. J., Woodbury—Bd. Freeholders Gloucester Co. opened bids Dec. 1, improving Sect. 1, Mantua-Glassboro Rd., (1) 9,526 cu.yd. excav. without classification, (2) 29,105 sq.yd. 1 course reinforced cement concrete pavement, (3) 1,025 lin.ft. 12 in. vitr. clay pipe, (4) 14,144 sq.yd. gravel shoulders, etc. from Empire Constr. Co., 13th and Walnut Sts., Phila., (1) $1.0101, (2) $2.52525, (3) $1.554 (4) $0.3885, total $90,845; B. Foster Co., 20th and Venango Sts., Phila., (1) $1.0348, (2) $2.587, (3) $1.592, (4) $0.398, total $93,066; J. F. Burke Co., 309 Park Ave., Plainfield, (1) $1.04572, (2) $2.6143, (3) $1.6088, (4) 0.4022, total $94,048. Noted Nov. 17.

Fla., Tampa—Grading and paving with asphalt block, 1½ mi. Sanchez, Delaware, Horatio and Brevard Sts., 8,115 sq.yd. asphalt block, 3,560 lin.ft. concrete curbing, from W. L. Harwell, 721 South Orleans Ave., $2.30 to $2.47 per sq.yd. and $0.70 per ft.; Cone Bros., 6th Ave. and 16th St., $2.24 to $2.50 and $0.70; J. G. Yeats, Port Tampa City, $2.45 to $2.60 and $0.70.

Louisianna—State Highway Dept., graveling Ruston-Jonesboro and Ruston-Homer Highways, Lincoln Parish, from S. D. Carr Constr. Co., Leesville, $142,355; Alexandria Constr. Co., Alexandria, $155,993; N. M. George Constr. Co., Shreveport, $157,873.

Minnesota—State Hy. Dept., St. Paul, grading State Project 65-21 and 8-26, Federal Aid Project 248, Clearwater Co., 237,000 cu.yd. excav., from Winston Bros. Co., 801 Globe Bldg., Minneapolis, $93,464, culverts; Schmitz & Mayer, Frazee, $20,089; State Project 7-25, Federal Aid Project 247.

Streets and Roads (Continued)

Blue Earth Co., 48,000 cu.yd. excav., J. Brown, Madison Lake, $14,501, culverts; Sublette & Dwyer, 1930 3d Ave., S., Minneapolis, $4,728; State Project 28-23, Federal Aid Project 246, Pope and Stearns Counties, 157,000 cu.yd. excav., Jorgenson Constr. Co., Summit, S. D., $44,186, culverts; Morris Constr. Co., Morris, $13,724; State Project 9-25, Federal Aid Project 244, Fillmore Co., 145,000 cu.yd. excav., A. Guthrie & Co., Inc., 366 Jackson St., St. Paul, $52,575. Noted Nov. 24.

Missouri—State Hy. Dept., at div. office Bloomfield, opened bids Nov. 22, 8.976 mi. road from Cairo to Poplar Bluff, Federal Aid Project 179, Stoddard Co., (1) 11,503 cu.yd. earth excav., (2) 37,432 cu.yd. borrow, (3) 44,280 sq.yd. Specification B gravel pavement, etc. from N. Davis, Sikeston, (1) $0.225, (2) $0.225, (3) $0.50, total, $59,811; M. E. Gillioz, Monett, (1) $0.24, (2) $0.24, (3) $0.44, $60,811; J. W. Hoffman & Co., Kansas City, (1) $0.21, (2) $0.21, (3) $0.60, $67,310. Noted June 30.

Tex., Del Rio — Val Verde Co. opened bids Dec. 6, grading and surfacing 4.3 mi. State Highway 12, from Rice & Winder, 1101 West 22nd St., Austin, $63,735; Cook & Arrington, Crockett, $70,689; S. M. Bush, San Antonio, $73,000. Noted Nov. 24.

Tex., Denton—Denton Co. opened bids Nov. 22, surfacing 8.5 mi. State Highway 24, Denton-Sherman Rd., 9,884 sq. yd. concrete pavement, 2,470 cu.yd. sand, from Denton Constr. Co., Denton, $34,340; F. P. McElwrath, Corsicana, $34,343; Tibbetts Constr. Co., Box 179, Mineral Wells, $35,847. Noted Nov. 17.

Tex., Eastland — Eastland Co. opened bids Dec. 1, grading and surfacing (a) crushed rock and asphaltic concrete pavement on sledged stone, (b) 3 in. brick on 6 in. concrete, (c) 3 in. brick on macadam, (d) plain concrete, (e) rein.-con., (f) 2 in. bitulithic on 6 in. concrete, from Smith Bros., Crockett, (a) $283,749, (b) $401,351, (c) $396,152, (d) $366,306, (e) $382,916, (f) $340,382; Harris & Powell, De Leon, (a) $344,049, (b) $447,338, (c) $421,134, (d) $448,371, (e) $467,320, (f) $433,382; McKenzie Constr. Co., 606 Bedell Bldg., San Antonio, (b) $440,878, (c) $436,595, (d) $353,837. Noted Nov. 24.

Utah, Salt Lake City—Concrete curbing and guttering 53,405 ft., Dist. 24, from 3rd to 11th Aves., and from H to N Sts., from Strange & Vallandingham, 607 Utah Savings Bank, $180,451; Western Eng. & Contg. Co., Templeton Bldg., $184,642; J. L. Griffith Co., 2139 South 10th St. E, $192,834. Noted Nov. 24.

Cal., Los Angeles—Paving, curbing and sewers Eaglerock Ave., 106,770 sq.ft. 6 in. concrete, 716 lin.ft. cement curbing, 8,119 sq.ft. cement sidewalk, from Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., $40,410; G. R. Curtis, 2440 East 26th St., $41,936. Noted Nov. 24.

CONTRACTS AWARDED

North Carolina—State Hy. Comn., Raleigh, clearing, grading and topsoiling 14.85 mi. State Project 511, Caswell Co., to White & Simpson, Chatham, Va., $36,663; grading and topeka paving on 5 in. concrete, 10.24 mi. State Project 525, Davidson Co., to Elliott & Sons and R. E. Boggs, Spartanburg, S. C., $292,080; grading, bridging and topeka paving on 5 in. concrete, 11.7 mi. State Project 532, Guilford Co., to Elliott-Sholes Co., Durham, $350,943; clearing, grading and topsoiling 10.89 mi. State Project 501, Alamance Co., to W. Shook, Liberty, $19,317, rein.-con. bridges and culverts on above to Hanford Bros., Burlington, $5,920; 54,730 sq.yd. topeka paving on 5 in. concrete, State Project 504, Alamance Co., to Elliott-Sholes Co., Durham, $140,115. Noted Dec. 1.

N. C., Gastonia—Gaston Co., surfacing 5 mi. highway, to Simmons Constr. Co., Charlotte, asphaltic concrete at $1.07, reconstructed base $0.08, new stone used in reconstructing base $3.35 per ton, total $49,454. Noted Nov. 17.

N. C., Rocky Mount — Paving various streets to R. G. Lassiter & Co., Commercial Bank Bldg., Charlotte, $275,000. Noted Oct. 13.

Fla., Cedar Keys—Levy Co., paving 16 mi. various roads, shell and rock; also 4 small bridges and culverts, to Mickler & McLeod, 1st Natl. Bank Bldg., Tampa, $87,625.

Fla., Tampa—Paving ½ mi. Elliott St., 10,900 sq.yd. asphalt block, 1,000 cu.yd. native lime rock foundation, to Cone Bros., 6th Ave. and 16th St., $3.59 per sq.yd.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging, culverts and paving 1.58 mi. Youngstown-East Liverpool Rd., Columbiana Co., brick, to Cavanaugh-De Niro Co., Youngstown, $62,297. Former contract rescinded. Noted Dec. 1.

O., Canton — Comrs. Stark Co., paving 1.69 mi. Canton-Canal Fulton Rd., brick with slag and asphalt filler, to McCoy & Garaux, 317 Clark Bldg., Canton, $58,422.

Ia., Charlton—Lucas Co. grading 5.878 mi. primary roads, northeast from here, Federal Aid Project 63, 92,486 cu.yd. excav., to G. L. Roberts, Charlton, $0.259 per cu.yd. Noted Nov. 17.

Ia., Indianola—Warren Co. grading 8.549 mi. primary roads north of Norwalk and north of here, Primary Rd. Project 44, 155,982 cu.yd. excav., to Cox Bros., Dike, $0.26 per cu.yd. Noted Nov. 10.

N. D., Devils Lake—Ramsey Co., gravel surfacing 12.5 mi. Federal Aid Project 95, thru Penn and Grand Harbor, 17,022 cu.yd. gravel, to Hohman, Webster & Son, Turtle Lake, $23,829. Noted Nov. 24.

Mont., Livingston — Paving various streets, 4,100 cu.yd. excav., 12,100 sq.yd. concrete paving, 5,000 ft. attached curb; and storm sewers in Special Impvt. Dist. 101, 1,579 ft. 8-30 in. pipe, etc., to McLaughlin & O'Neil, Livingston, $34,000. Noted Sept. 1.

Missouri—State Hy. Dept. at div. office Chillicothe, 1.804 mi. road east and west through Livingston Co., State Aid Project 20.34, Livingston Co., to C. W. Dillingham, St. Joseph, $24,723. Noted Dec. 1.

Missouri—State Hy. Dept. at div. office Columbia, 4.157 mi. road from Ashland to Jefferson City, State Aid Project 20.77, Boone Co., to K. A. Raines Co., Fayette, $17,196. Noted Nov. 3.

Missouri—State Hy. Dept. at div. office Mexico, 7.247 mi. road east and west through Audrain Co., State Aid Project 20.95, Audrain Co., to L. W. Spengler, Edinburg, Il., $23,915. Noted Dec. 1.

Tex., Marshall—Harrison Co. to F. P. McElwrath, Corsicana, grading, surfacing with crushed stone and gravel, and topping 4.21 mi. Sect. B, State Highway 11, Federal Aid Project 42, 700 cu.yd. borrow, 23,730 gal. bituminous material, $8,085, material to be furnished by county $22,697, total incl. 10% for engineering and contingencies $33,860; 16.29 mi. Sect. C, State Highway 11, Federal Aid Project 142, 22,421 cu.yd. borrow and 1,543 cu.yd. roadway excav., 91,289 gal. bituminous material, $49,447, material furnished by county $54,372, total incl. 10% for engineering and contingencies $114,200; 19.03 mi. State Highway 11, Sect. A, Federal Aid Project 142, 8,432 cu.yd. earth borrow, 835 cu.yd. roadway excav., 107,174 gal. bituminous material, $59,530, material to be furnished by county $39,479, total incl. 10% for engineering and contingencies $108,910. Noted Dec. 1.

Col., Pueblo — Curbing and paving 9 blocks Evans Ave., 46 and 50 ft., Warren-bitulithic, to Strange-Maguire Paving Co., Utah Savings & Trust Bldg., Salt Lake City, Utah, $74,554.

Wash., Seattle—Paving Elliott Ave. et al, clay, to Olympic Constr. Co., 1326 Northlake Ave., $324,604. Noted Dec. 8.

California—State Hy. Comn., Sacramento, surfacing 7.9 mi. highway between Morgan Hill and Gilroy, Santa Clara Co., 9,210 ton asphaltic concrete surface, at $4.79 per ton, to Clark & Henery, 38 South Sutter St., Stockton, total $44,116; 3.7 mi. highway between Selma and Kingsburg, Fresno Co., 4,400 ton asphaltic concrete surface, at $5, to California Constr. Co., San Francisco, total $37,739; 7.04 mi. road from ¾ mi. northwesterly from Castaic to 11 mi. south of Liebre Mountain, Los Angeles Co. 10,240 ton asphaltic concrete surface, at $7.25, to Southwest Paving Co., Washington Bldg., Los Angeles, total $75,648. Constructing 3 rein.-con. girder bridges in Shasta Co., across Anderson Creek, Canyon Creek and Oregon Gulch, near Redding, to Thompson, Miller & Thompson, Oakland, $18,077. Noted Nov. 24 and Dec. 1.

Cal., Los Angeles — Bd. Supervs. Los Angeles Co., paving College Ave., asphaltic concrete, to G. R. Curtis, 2440 East 26th St., $47,362. Noted Dec. 8.

Cal., Sacramento — Bd. Supervs., Sacramento Co., grading and paving River Rd., near town of Hood, Dist. 744, Sect. 1, involves 2,270 cu.yd. excav., 3,206 cu.yd. concrete, Sect. 2, 520 cu.yd. excav., 735 cu. yd. conrete, to General Constr. Co., Sharon Bldg., San Francisco, $60,000.

Cal., San Francisco — Grading, curbing and paving San Jose Ave. between Ottowa and Sickles Aves., 8,530 cu.yd. excav., 4,960 cu.yd. fill, 5,816 lin.ft. concrete curb, 124,415 sq.ft. asphaltic concrete paving, to Raisch Impvt. Co., 46 Kearny St., $59,831.

Cal., Stockton—Paving to C. Moreing, Commercial Savings Bldg., Clements-Ione Rd. in Wild Goose Valley, $62,729, 6 mi. Waterloo-Linden Rd., oil macadam, $58,733, Kettleman Lane Rd., $8,970, Lockeford-Elliott Rd., $28,484, Louis Nolan Rd., $8,659, Carlin Rd., $16,355. Noted Oct. 27.

Industrial Works

PROPOSED WORK

Mass., Southbridge—C. H. Knight, 143 Main St., plans 1 story garage and sales building, brick, Hamilton St. $40,000. Architect not selected.

Conn., Bridgeport — Estate of S. H. Wheeler, 1188 Main St., having revised plans prepared by C. F. Baron, archt., 79 Sage St., 3 story, 90 x 120 ft. rein.-con. garage, Middle and Gold Sts. Noted Aug. 4.

Conn., Danbury—H. Dick, 140 Main St., plans 1 story, 100 x 100 ft. brick garage and repair shop, Main St. $40,000. Architect not selected.

Conn., East Hartford (Hartford P. O.)—H. E. Bidwell, 209 State St., Hartford, having plans prepared by Associated Architectural & Eng. Co., 145 State St., Springfield, Mass., 1 story, 50 x 122 ft. and 20 x 122 ft. rein.-con. and brick garage, Connecticut Blvd., here. $40,000.

Conn., Windsor — Farmington River Power Co., c/o E. W. Pelton, Poquonock St., plans four unit power plant, 12,000 hp. capacity, also 1,000 ft. earthen dam, on Farmington River. I. W. Jones, Milton, N. H., engr.

N. Y., Long Island City—Natl. Printing & Engraving Co., 136 West 52nd St., New York, plans 4 story plant, Washington Ave. from 6th to 7th Sts., here. $400,000.

N. Y., New York—A. Lewinsohn & Sons, 61 Bway., soon takes bids 2 story, 50 x 60 ft., brick, steel and concrete garage, plain foundation, 185th St. and Bway. $90,000. J. De Hart, 1041 Fox St., archt. and engr.

N. Y., Rochester—Frankel Bros. & Co., 48 Commercial St., plans 4 story, 62 x 146 ft. rag storage plant, rein.-con. $86,400. S. Firestone, 59 South Ave., consult. engr.

Pa., Greensburg—L. L. Smith & Co., 526 Horner St., Johnstown, plan 2 story, 80 x 160 ft. warehouse, planing mill, etc., West Otterman St. $50,000.

Pa., Turtle Creek—See "Buildings."

Md., Baltimore—Continental Garage & Service Corp., 715 Gaither Estate Bldg., 111 North Charles St., having plans prepared by L. L. Wagner, archt., Union Trust Bldg., 5 story, concrete and brick garage and service station, 120,000 sq.ft. floor space, Monument and Howard Sts.

Va., Richmond—Virginia Carolina Rubber Co., 17 North 19th St., plans 1 story factory, 25,000 sq.ft. floor space, on Government Rd. along tracks Southern R.R. $130,000.

Fla., Osceola (Sanford P. O.)—Osceola Cypress Co. plans sawmill, dry kiln, etc. $100,000.

O., Cleveland—A. Kohn & Sons Investment Co., 2380 Canal Rd., having plans prepared by P. Matzinger & Co., archts., Caxton Bldg., 3 story brick and steel garage and commercial building, plain foundation, Chester Ave. and East 20th St. $40,000.

Ind., Goshen — L. W. Seaman having plans prepared 2 story, 50 x 100 ft., brick and concrete storage warehouse. $50,000. Private plans.

Ind., Indianapolis — I. Marks, 517-19 South Delaware St., making plans 2 story, 75 x 125 ft., brick, warehouse and office building, North Senate Ave. $150,000. Private plans.

Ind., Kokomo—Hamilton Harris & Co., 117-19 South Meridian St., Indianapolis, plans 3 story, 32 x 166 ft., brick, steel and concrete, warehouse and office building. $100,000. Architect not announced.

Ind., South Bend—Making plans 1 story, 20 x 50 ft. brick power station. $45,000. W. W. Artingstall, 37 West Van Buren St., Chicago, engr.

Ill., Decatur—C. A. Starr, 137 Park Pl., plans 1 story, 75 x 162 ft. garage, brick and steel. $40,000. Architect not selected.

Wis., Delton—Cole Bros. take bids about Jan. 1, 2 story, 50 x 90 ft., brick, rein.-con. and steel garage and repair shop. $40,000. Private plans.

Wis., Highland—Richter Mfg. Co., c/o J. Richter, pres., plans 2 story, 50 x 60 ft., brick, rein.-con. and steel factory. $40,000. Architect not selected.

Wis., Green Bay—Investment Corp. of Green Bay, 116 West Walnut St., opens bids about Jan. 10, 3 story, 80 x 240 ft. cold storage plant, rein.-con., brick and steel, North Bway. $250,000. Private plans.

Wis., Milwaukee — Republic Investment Co., 160 5th St., opens bids about Dec. 19, 1 story, 98 x 123 ft., film storage building, brick and concrete, plain foundation,

Industrial Works (Continued)

Wells and 11th Sts. M. Tullgren & Sons, 425 East Water St., archt.

Wis., Rhinelander—S. Miller Fruit Co. having plans prepared 3 story, 53 x 126 ft., brick, rein.-con. and steel warehouse and cold storage plant, plain foundation. $150,000. Private plans.

Wis., South Milwaukee—Burnham Bros. Brick Co., 68 Wisconsin St., Milwaukee, plans factory on Chicago Rd., here, incl. group 1 story, brick buildings. $150,000.

Wis., Waupaca—J. W. Osborn plans 2 story, 58 x 65 ft., brick and rein.-con. garage. $45,000. Architect not selected.

Ia., Mason City—Dennison Garage Co. having plans prepared by G. L. Lockhart, archt., 1353 University Ave., St. Paul, Minn.,, 2 story, 50 x 130 ft. garage, rein.-con. and brick. $50,000.

Minn., Minneapolis—Potts Motor Co., 1017 4th Ave., S., plans 2 story, garage, brick and concrete. $125,000. Architect not selected.

S. D., Watertown—Kampeska Materials Co. plans sand and gravel washing and screening plant. $40,000. D. C. Noonan, pres.

N. D., Devils Lake—Midwest Power Co., Hackney Bldg., St. Paul, Minn., plans 1 story, 40 x 40 ft. power house, brick and concrete, here. Cost including equipment $40,000. A. H. Savage, pres.

Mo. Cape Girardeau—International Shoe Co., 15th and Washington Sts., having plans prepared 3 story, rein.-con. and steel factory, here. $100,000. A. Hume, c/o owner, engr.

Mo., Kansas City—L. Singer Product Co., 6 Market Sq., having plans prepared by Tait & Nordemeyer Eng. Co., engrs., International Life Bldg., St. Louis, rein.-con., brick and stone warehouse. $175,000.

Mo., St. Louis—J. O. Chenoweth Dyeing & Cleaning Co., 1400 Washington St., having plans prepared by A. B. Groves, archt., 314 4th St., 1 story brick, concrete and stone plant, Delmar Blvd. and Bayard Ave. $50,000.

Mo., Sweet Springs—International Shoe Co., 15th and Washington Sts., St. Louis, plans 2 story, rein.-con., brick, steel and stone factory, here. $75,000. Architect not selected.

Cal., San Francisco—Bd. Harbor Comrs. soon takes bids 6 story, 122 x 812 ft., rein.-con. warehouse, also seawall, railroad tracks, etc., area between Embaracadero, 3rd and Berry Sts., and China Basin. Will require at least 8 or 9 months to complete foundation work. $2,500,000. F. G. White, Ferry Bldg., engr.

Ont., Petrolea—Peninsular Sugar Co. had plans prepared by A. Owens, archt. and engr., c/o owners, for 2 and 4 story, rein.-con. and brick refinery, 600 ton capacity. $1,500,000. F. H. Hubbard, genl. mgr. Noted Nov. 3.

Ont., Toronto—A. E. Rea, 709 Continental Life Bldg., having sketches made by B. H. Prack, archt., 50 Bay St., concrete and brick plant, Bathurst St. $200,000.

BIDS DESIRED

Conn., Southington—Peck, Stow & Wilcox Co., Railroad Sq., receiving bids 1 story, 67 x 180 ft. hardening building, 2 story, 56 x 156 ft. grinding building, and 1 story, 59 x 100 ft. forge building, brick and steel, plain foundations. $200,000. Noted April 11.

N. J., Fernwood (Trenton P. O.)—Dec. 27, by L. Grover, clk. State Hy. Dept., Trenton, 106 x 404 ft. auto service station, 25 ft. 9 in. high, brick and steel, concrete pile foundation, here. C. A. Mead, 790 Broad St., Newark, engr; adv. this issue.

N. J., Secaucus (Weehawken P. O.)—See "Buildings."

Pa., Pittsburgh—United Eng. & Fdry. Co., Farmers Bank Bldg., 1 story, 65 x 220 ft. additio nto plant, 54th St. Work will be done by separate contract.

W. Va., Wheeling—White Swan Laundry, 30 10th St. 2 story 100 x 200 ft. and 50 x 82 ft., laundry, brick and steel; excav., to T. W. Jackson, 31 Poplar Ave.; structural steel, to J. E. Moss Iron Wks., 4 28th St. Total $65,000. Work will be done by separate contracts.

O., Cleveland—P. Matzinger & Co., archts., Caxton Bldg., taking bids 1 story, 60 x 180 ft., brick and steel factory, plain foundation, East 72nd St., for Cleveland Refrigerator Co., 2996 East 72nd St. $50,000.

O., Toledo—Toledo Indiana R.R., 837-41 Ohio Bldg., taking bids 3 story, 30 x 1,000 ft. addition to plant, 54th St. Work will plain foundation, Ontario and Washington Sts., $40,000. Mills, Rhines, Belman & Nordhoff, 1234 Ohio Bldg., archts.

Ind., Indianapolis—F. R. Chandler, 3817 North Pennsylvania St., receiving bids 5

INSPECTION SHED ENCLOSURE—BROOKLYN, N. Y.

Bids were received Dec. 5, (lowest 3), by Transit Comn., 49 Lafayette St., New York, for Livonia Ave. Yard Inspection Shed Enclosure, Route No. 31, from (A) Rosenthal Engineering Contracting Co., 226-228 Jackson St.; (B) Norman A. Deiser, 390 Bway.; (C) P. T. Cox Contracting Co., Inc., 154 Nassau St., New York City. The unit bids were as follows:

	A	B	C
20 cu.yd. earth fill in place, Sec. 257	$3.00	$3.00	$1.00
1,150 cu.yd. structural concrete work (a) plain foundation	18.00	14.00	20.00
520 cu.yd. structural concrete work (c) for reinforced	19.50	22.00	27.65
350 sq.yd. tooling concrete surfaces	2.00	2.25	1.00
1,500 cu.yd. brick masonry in place	25.50	25.50	27.00
Brick chimneys complete (c) for radial (lump sum)	2,970.00	5,000.00	3,000.00
100 cu.yd. hollow T.C. brick or tile, any thickness	31.00	25.50	22.00
13,000 sq.ft. layer of slag or gravel for roofs	.025	.03	.03
2,700 sq.yd. waterproofing felt (e) for 5-ply	.75	.75	.73
14 tons erecting and painting structural steel	20.00	60.00	22.00
15 tons steel beams and shapes	100.00	100.00	85.00
30 tons steel rods and bars	85.00	90.00	76.00
0.5 tons miscellaneous castings	300.00	260.00	200.00
1 ton miscellaneous furnishings, sewer manholes, etc	400.00	260.00	220.00
200 sq.ft. steel gratings	2.00	2.00	2.50
350 lin.ft. 12-in. vitrified pipe sewer	5.00	6.50	2.20
200 lin.ft. 15-in. vitrified pipe sewer	5.00	6.50	2.75
Plastering Flat Surfaces:			
2,500 sq.yd. (a) plastering brick or hollow tile	.90	.90	1.25
50 sq.yd. (b) plastering concrete	.95	.90	1.25
10 sq.yd. (c) plastering metal lath	2.00	1.00	1.50
Concrete Slabs Reinforced:			
40 sq.ft. (a) 3½-in. slab	.21	1.00	.60
60 sq.ft. (b) 4-in. slab	.24	1.00	.70
10 sq.ft. (d) 2-in. slab	.15	1.00	.50
Concrete Stairs, Landings:			
350 lin.ft. (a) self-supporting stairs	1.10	1.50	.70
60 lin.ft. (b) self-supporting landings	1.00	1.00	.60
30 cu.ft. (e) col. supporting landings	1.00	1.00	1.00
230 sq.ft. (f) non-slip treads	1.20	1.50	1.70
130 lin.ft. (g) cement bases	.15	.25	.75
50 lin.ft. hollow T.C. tile masonry (h) 12x12-in. flue lining	1.00	.60	.85
50 lin.ft. hollow T.C. tile masonry (i) 12x24-in. flue lining	3.50	3.00	2.50
10 galvanized strap anchors in place	3.00	.75	.70
2,000 lin.ft T.C. coping in place (a) 12-in. walls	.42	.45	.70
Kalamein doors in place:			
1 (b) type "B"	120.00	110.00	125.00
8 (c) type "C"	120.00	93.00	140.00
10 (d) type "D"	65.00	93.00	75.00
2 (e) type "E"	70.00	44.00	80.00
10 (f) type "F"	140.00	88.00	140.00
1 (g) type "G"	75.00	44.00	95.00
2 (k) type "K"	55.00	40.00	50.00
4 (m) type "M"	75.00	44.00	70.00
750 sq.ft. (n) type "N"	6.20	4.25	8.00
1 (p) type "P"	60.00	44.00	50.00
1 (r) type "R"	60.00	50.00	150.00
3 (u) type "U"	365.00	225.00	400.00
3 (v) type "V"	240.00	125.00	250.00
1 (z) type "Z"	225.00	125.00	250.00
Additional Hardware in Place:			
22 (a) door checks	7.20	7.75	8.50
70 (b) swing door stops	2.93	3.25	4.00
12 (c) rubber covered chains	3.25	3.50	4.00
20 (d) push plates	.40	.50	.75
6 (e) door pulls	.55	.50	1.00
6 (f) kick plates	7.20	8.00	8.50
6 (i) heavy mortise locks (dead)	5.00	5.50	10.00
11 (j) heavy mortise locks (dead)	7.00	7.50	15.00
6 (k) heavy mortise latches	5.15	5.50	12.00
13 (l) heavy mortise cylinder locks	9.90	11.00	20.00
1 (m) heavy half mortise	4.75	5.00	8.00
2 (n) heavy pin tumbler	3.80	4.25	7.00
7 sets (o) hinged hasp and staple	.75	.80	2.00
5 (p) push bar emergency box	10.25	11.00	15.00
14 (r) coat hooks	.04	.50	.10
6 (s) extra heavy surface bolts	1.40	1.50	2.20
1 (f) heavy flush bolts	1.75	2.00	2.50
85 lin.ft. railings in place (g) pipe railing	2.25	2.75	4.50
1,800 lin.ft. metal fences (c) wire mesh fence	2.35	2.40	1.80
50 lin.ft. tr. steel ladders (a) steel ladders	5.00	3.00	5.50
20 sq.ft. (b) steel ladders plat	5.00	3.00	7.00
Rough plumbing, complete (lump sum)	8,675.00	10,600.00	9,240.00
30 sq.ft. steel covers for coal chutes	4.00	3.50	5.00
Plumbing Fixtures:			
16 (a) water closet bowls	95.00	62.50	73.00
2 (c) lavatories	56.00	82.00	90.00
18 (d) urinals	120.00	100.00	92.00
1 (g) slop sinks	84.00	78.00	82.00
12 (h) floor drains	28.00	13.25	25.00
13 sq.ft. (k) wash sinks	143.00	107.00	72.00
900 sq.ft. (m) wainscoting	1.37	1.35	1.40
550 sq.ft. (n) pipe chamber part	1.37	1.25	1.40
250 sq.ft. (o) shelves	1.37	1.25	1.40
950 sq.ft. (p) stall partitions	1.65	1.25	1.50
100 lin.ft. (q) floor slabs	2.20	1.25	1.50
130 (r) curved corners	1.65	2.00	1.15
6 lbs. (s) seats	2.00	6.00	1.70
7,000 lin.ft. steel angles, etc	.11	.08	.10
Electric Conduits:			
1,450 lin.ft. (a) ¾-inch	.17	.22	.23
400 lin.ft. (b) 1-inch	.22	.25	.32
20 lin.ft. (c) 1¼-inch	.45	.60	.58
80 lin.ft. (d) 2-inch	.55	.76	.93
5 (f) 3-inch	1.00	1.30	1.65
100 cast iron outlet boxes	2.10	1.40	2.75
20 cast iron pull boxes (f) 6x6x4 in	3.50	4.70	5.80
3 steel panel board boxes (o) 45x29x6 in	32.00	32.00	28.00
2 steel panel board boxes (q) 53x27x6 in	35.00	34.00	33.00
1 steel switchboard boxes (c) 12x30x9 in	17.00	19.00	30.00
Ventilator inspection shed roof (lump sum)	200.00	200.00	182.00
Galvanized iron vent. flue (lump sum)	100.00	150.00	138.00
130 lin.ft. oak hand rail	.32	1.00	2.00
18,000 lbs. floor construction (k) checkered st. pl	.11	.11	.11
Concrete and Cinder Work:			
1,800 lbs. (a) cement wainscot	.10	.25	.25
50,000 lin.ft. (b) 1-in. cement floor finish	.085	.115	.11
40 cu.ft. (c) cement coping	.60	2.00	1.00
450 sq.ft. (b) cinder concrete	.30	.40	.50

Item	A	B	C
Waterproof Roofing Tile:			
22,000 sq.ft. (a) interlocking tile	.35	.365	.37
10,000 sq.ft. (b) flat tile	.33	.34	.35
1,400 sq.ft. (d) ridge tile	.80	.83	.83
1,700 lin.ft. copper flashing	.28	.27	.28
Metal Leaders:			
30 lin.ft. (a) 3-in. corrugated galvanized iron	.60	1.20	1.00
450 lin.ft. (c) 3-in. galvanized wrought iron	2.16	2.15	.85
10 lin.ft. (d) 3½-in. galvanized wrought iron	2.45	2.00	1.00
1,000 lin.ft. (f) 4-in. galvanized wrought iron	3.07	1.40	1.20
80 lin.ft. (h) 6-in. galvanized wrought iron	3.92	2.80	2.00
450 lin.ft. (i) 4-in. cast iron	1.38	2.50	.10
50 lin.ft. (j) 4-in. corrugated galvanized iron	.80	1.20	.88
200 lin.ft. (k) 6-in. cast iron	2.65	2.60	.10
90 sq.ft. saddles for doors (a) cast iron saddles	2.50	3.30	2.25
10 sq.ft. saddles for doors (b) steel saddles	2.00	2.00	1.75
250 sq.ft. metal lath (c) metal lath without st. furr	.10	.25	.10
15 sq.ft. metal lath (b) metal lath with st. furr	.35	.30	.25
7,500 sq.ft. metal lath (c) special wire forms	.12	.04	.04
32 Hardware for window sash (c) double hung sash	3.00	3.25	5.00
3,500 sq.ft. crew rooms and oil house (aa) exterior walls	.68	1.46	.75
6,000 sq.ft. crew rooms and oil house (b) crimped gal. iron on walls	.25	.32	.28
5 crew rooms and oil house (f) galvanized iron ventilators	20.00	25.00	33.00
4,300 sq.ft. crew room and oil house (g) roof	.60	1.05	.33
1,600 sq.ft. crew room and oil house (i) partition walls	.50	.70	.50
3,300 sq.ft. crew rooms and oil house (k) framing and furring	.30	.30	.50
2 cast iron registers	10.00	15.00	5.00
40,000 sq.ft. painting plaster, etc. (a) painting plaster	.10	.044	.00
12,500 sq.ft. steel sash windows (i) steel sash windows	.55	.73	.86
6,500 sq.ft. steel sash windows (j) steel sash windows, elsewhere	.79	.60	.61
1 water connections (b) water conn. whatever size	300.00	900.00	225.00
110 lin.ft. furnishing and install. narrow gauge track	2.50	1.65	4.00
Furnishing and erecting drip pans Livonia Ave. Route (lump sum)	1,200.00	850.00	600.00
Extended totals	$180,003	$181,893	$185,835

Industrial Works (Continued)

story, 60 x 202 ft., brick, steel, concrete, terra cotta and brick garage, at 30-32 West Vermont St. $250,000. Vonnegut, Bohn & Mueller, 610 Ind. Trust Bldg., archts. Noted Dec. 8.

Wis., Milwaukee—Lockwood, Green & Co., archts., 38 South Dearborn St., Chicago, receiving bids 3 story 260 x 315 ft., rein.-con. and brick tannery, 658 Commerce St., here, for Amer. Hide & Leather Co., 1320 Elston St., Chicago. $500,000. Noted Oct. 27.

Ia., Corning—Jan. 15, 1 story, 42 x 42 ft. power plant. $60,000. C. K. Munn, Corning, engr. Noted July 21.

Cal., Sacramento—A. B. Atkinson, 3256 5th Ave., 1 story, 80 x 160 ft. ice plant, brick, Southeast 13th and S Sts. $75,000. Work will be done by separate contracts.

BIDS RECEIVED

O., Marion—Hornell Ice & Cold Storage Co., 2 story, 60 x 90 ft., brick and concrete plant addition, from Blome-Sinek Co., 139 North Clark St., Chicago, $45,000.

Minn., Minneapolis—State Bd. Control, Capitol Bldg., St. Paul, 3 story mines experiment station, rein.-con., brick, tile and stone, at State University, from J. Peterson, 3152 10th Ave., S., $192,800; Gauger-Korsmo Constr. Co., 301 Endicott Bldg., St. Paul, $194,693; J. and W. A. Elliott, 906 Lumber Exch., $201,316. Noted Nov. 24.

CONTRACTS AWARDED

Mass., Northampton — Smith College, 2 story, 45 x 120 ft. rein.-con., brick and steel laundry and garage, plain foundation, on campus, to F. T. Ley Co., Inc., 499 Main St., Springfield, $75,000.

R. I., Pawtucket—Providence Braid Co., Lowden St., 2 story, 100 x 105 ft. brick and wood addition to plant, plain foundation, by day labor. $50,000. F. P. Sheldon & Son, Hospital Trust Bldg., Providence, engrs.

Conn., Bridgeport—Nichols Underwear Corp., 23 Benham St., 2 story, 50 x 100 ft. brick and wood addition to factory, Benham Ave., to J. J. Pardy Constr. Co., 1481 Seaview Ave. Noted June 16.

Conn., East Hartford (Hartford P. O.)—Charter Oak Machine Co. 438 Asylum St., Hartford, 1 story, 60 x 100 ft., rein.-con., brick and steel factory, plain foundation, Connecticut Blvd., here, to Austin Co., 217 Bway., New York.

N. Y., Long Island City—Interstate Land Holding Co., c/o F. S. Parker, archt. and engr., 44 Court St., Brooklyn, 2 story, brick, steel and concrete service station, plain foundation, William and 13th Sts., here, to Ettinger Contg. Co., 44 Court St., Brooklyn, $100,000. Noted June 23.

Pa., Turtle Creek—Wilkinsburg Ice Co., 208 Centre Ave., Wilkinsburg, 1 story, 85 x 106 ft. brick and steel plant, Monroeville Rd., here, to E. Z. Peffer, 747 Hill Ave., Wilkinsburg, $125,000.

Pa., Washington—Tyler Pipe & Tube Co., general contract for 1 story, 20 x 50 ft. boiler house and 50 x 50 ft. gas producer house, steel, to Riverside Bridge Co., Washington, $50,000. Noted Dec. 1.

W. Va., Huntington—Standard Dry Goods Co., 435 5th Ave., general contract 5 story, 45 x 200 ft. jobbing house fireproof construction, 7th Ave. and 10th St., to Arnold Co., Chesapeake & Ohio R.R. Shops. Total $200,000.

Ky., Louisville—Natl. Candy Co., Federal Reserve Bank Bldg., St. Louis, Mo., 5 story, candy factory (known as Frank A. Menne Factory), 1456 West Bway., here, to Struck Constr. Co., 147 North Clay St. $600,000.

O., Cleveland—Ancaster Garage Co., c/o F. X. Cull, Cuyahoga Bldg., 2 story, 90 x 142 ft., brick, steel and concrete garage, plain foundation, 7500 Euclid Ave., to Drummond-Miller Co., 4500 Euclid Ave., $75,000.

O., Cleveland—Whitmer-Jackson Sash & Door Co., 1996 West 3rd St., 1 story, 70 x 128 ft., brick and steel factory addition, plain foundation, to A. Thomas, 2431 East 83rd St., $40,000. Noted Dec. 8.

Mich., Ironwood—J. F. Gluck, 2 story, 30 x 115 ft. concrete and brick garage, plain foundation, to Albinson Constr. Co., 300 5th Ave. S., Minneapolis, $40,000.

Ill., Chicago—P. Gerhardt, archt., 64 West Randolph St., 1 story, 103 x 115 ft. factory, rein.-con., brick and steel, 4203-09 Grand Ave., to A. and E. Anderson, 19 South La Salle St., for Nemo Dye Wks., c/o architects. $125,000. Noted Dec. 1.

Ill., Chicago—G. S. Kingsley, archt., 109 North Dearborn St., 7 story, 168 x 190 ft., warehouse, rein.-con., brick, steel and terra cotta, 3925-29 North Clark St., to R. Sollit Sons Co., 30 North La Salle St., for W. C. Reebie & Bro., 2531 Sheffield Ave. $400,000. Noted Nov. 10.

Wis., Green Bay—Fort Howard Paper Co., brick, rein.-con. and steel, general contract 3 story, 100 x 120 ft., paper mill and power house, to L. M. Hansen Co., 113 West Walnut St., $105,000. Private plans.

Minn., Minneapolis—North Star Woolen Mills Co., 3rd Ave., S. and 2nd St., 6 story, 66 x 145 ft. warehouse, rein.-con. and brick, to Pike & Cook, 416 South 5th St., $75,000.

Mo., Kansas City—E. K. Campbell Heating & Plumbing Co., 1314 East 19th St., 1 story, 55 x 130 ft., brick and concrete warehouse, 2441-45 Charlotte St., by day labor. $40,000. C. Boller & Bros., 508 Ridge Blvd., archts.

Mo., St. Louis—Haynes & Langenberg Mfg. Co., 4045 Forrest Park Blvd., rebuilding 2 story, brick and concrete factory, to C. B. McCormack & Sons, Columbia Bldg., $125,000. Noted Nov. 17.

Buildings

PROPOSED WORK

Mass., Amherst—Library—Amherst College having sketches made by Putnam & Cox, archts., 114 State St., Boston, 2½ story brick and stone, on campus. $500,000.

Mass., Boston — School — Schoolhouse Dept. having plans prepared by C. J. Bateman, archt., 15 Exchange St., 2 story addition to John Lathrop Motley School, Savin Hill Ave. $150,000.

Mass., Leominster—Theatre—Gem Theatre, Main St., plans 1 story, 100 x 150 ft. brick and steel, Main St. and Meriam Ave. $150,000. Architect not announced.

Conn., Hartford — Business — D'Esopo Realty Corp., 647 Main St., plans to alter business and Store building, brick and steel, Main and Sheldon Sts. $150,000. H. H. Beckenstin, 54 Church St., archt.

Conn., Hartford — Church — First Unitarian Church having plans prepared by A. M. West, archt., 926 Main St., 1 story, brick, steel and stone, Pearl St. $150,000. C. Groves, 12 Vineland Terrace, pastor.

Conn., Hartford—Theatre, etc.—Park St. Investment Co., 274 Park St., opens bids about Dec. 30, 3 story, rein.-con., brick and steel, plain foundation, Park St. $175,000. E. T. Wiley, 75 Pratt St., archt.

Conn., New Britain—School—Bd. Educ. plans 3 story, brick and steel, Washington St. $367,000. D. K. Perry, 27 West Main St., archt. Noted May 12.

Conn., New Haven—Church and Rectory—St. Boniface Roman Catholic Church, having sketches made by G. A. Zunner, archt., 182 High St., Hartford, 1½ story church and 2½ story rectory, brick and steel, State St. $150,000. J. A. Heller, 229 George St., pastor.

Conn., New Haven—High School—Westville School Dist. plans 2 story, concrete, brick and steel, Fountain and Emerson Sts. $200,000. Brown & Von Beren, 185 Church St., archts. L. W. Robinson, 42 Church St., consult. archt.

Conn., Newington — Home — Connecticut Children's Aid Society, 926 Main St., Hartford, having plans prepared by I. A. Allen, Jr., Inc., archt., 904 Main St., Hartford, for new home, incl. dormitories, school, hospital and nurses buildings. $600,000.

Conn., West Hartford (Hartford P. O.) —Home—St. Agnes Home, Steele Rd. and Asylum Ave., plans 3 story, concrete and brick addition. $150,000. Architect not selected.

N. Y., Brooklyn—Apartment—Park and Tenth St. Constr. Co., Inc., c/o Shampan & Shampan, archts. and engrs., 50 Court St., having plans prepared 6 story, 95 x 100 ft., brick, steel and stone, plain foundation, Prospect Park West and 10th St. $250,000.

N. Y., Brooklyn—Theatre and Stores—Strausberg & Blender, 492 De Kalb Ave., soon takes bids 2 story, brick, steel and stone, plain foundation, Bway. and Kosciusco St. $250,000. R. T. Short, 370 Macon St., archt. and engr.

N. Y., Buffalo—Office—L. R. Steele Co., Inc., 323 Washington St., having plans prepared by Lewis & Hill, archts., Brisbane Bldg., 12 story, 60 x 107 ft., modern fireproof construction, Washington St. $400,000.

N. Y., Buffalo—Temple—Eastern Star and White Shrine, 208 Benzinger St., plan temple. $500,000. J. C. Heisenbuttle, treas. and chn.

N. Y., Elmira—Bank—Elmira Savings Bank takes bids about Jan. 1, 1 story, 27 x 75 ft., 218 East Water St. $165,000. Simons, Brittain & English, Inc., Magee Bldg., Pittsburgh, Pa., archts.

N. Y., Lackawanna — Church — Roman Catholic Polish Parish, c/o M. Paul, pastor, 21 Wood St., plans 100 x 175 ft., concrete, brick and stone, Electric and Warsaw Aves. $300,000.

N. Y., New York—Hospital—Bronx Hospital, Fulton Ave. and 169th St., plans 10 story, 100 x 150 ft., brick, steel and stone addition, plain foundation, Fulton Ave. near 169th St. Architect not selected.

N. Y., New York—Orphanage—Jewish Orphanage Asylum, Amsterdam Ave. and 138th St., had plans prepared by E. Necarsulmer, archt., 507 5th Ave., brick, steel and stone, plain foundation, 233rd St. between Baychester Ave. and Boston Post Rd. $500,000. Tenny & Ohmes, 101 Park Ave., engrs.

N. Y., New York—New York City Y. M. C. A. having preliminary plans prepared by Jallade, Lindsey & Warren, archts. and engrs., 129 Lexington Ave., brick, steel and stone, plain foundation, 161st St. and Elton Ave. $250,000.

N. Y., Niagara Falls — Store — L. R. Steele Co., 323 Washington St., Buffalo, had plans prepared by Lewis & Hill, archts., Brisbane Bldg., Buffalo, 3 story, 67 x 100 ft., rein.-con., brick, steel and stone, Main St., here. $150,000.

Buildings (Continued)

N. Y., Rochester—Nurses Home—Bd. Trustees St. Marys Hospital plans to raise $200,000, for 80 room, fireproof construction, Genesee and Rural Sts.

N. Y., Syracuse — Hospital — St. Joseph's Hospital plans either new wing or addition to present structure, on Prospect Ave. $200,000. Architect and engineer not selected.

N. Y., Syracuse — Hospital — Syracuse Memorial Hospital plans to raise $500,000 for new structure to replace present one, on West Genesee St. F. S. Wicks, pres. Bd. Trustees. Architect and engineer not selected.

N. Y., Solvay (Syracuse P. O.)—Schools—Election in January to vote on $486,000 bonds for additions to 2 schools. M. L. King, Snow Bldg., Syracuse, archt.

N. J., Bayonne—High School—Bd. Educ., 651 Bway., having plans prepared by D. G. Anderson, archt., 472 Bway., 3 story, 200 x 300 ft., brick and concrete, Ave. A, 27th to 29th Sts. $450,000.

N. J., Nutley—High School—Bd. Educ. soon takes bids, brick and stone. $400,000. Starrett & Van Vleck, 8 West 40th St., New York, archts. and engrs. Noted Feb. 17.

Pa., Carnegie—School—Voted $150,000 bonds for altering and building 2 story addition. J. H. Walker, 606 Beechwood Ave., secy. Bd. Educ. F. McC. Crooks, 541 3rd Ave., Pittsburgh, archt.

Pa., Corry—School—Bd. Educ. having plans prepared by A. P. Mount, archt., Corry, 2 story, 80 x 175 ft. brick, Wright and Congress Sts. $150,000.

Pa., Jersey Shore—Lodge—Jersey Shore Masonic Temple Assn. plans 3 story, 80 x 100 ft. concrete, brick and steel, Main St. $150,000.

Pa., Jersey Shore—Bank—Jersey Shore Trust Co. plans 3 story, 65 x 100 ft. brick and steel, Main St. $150,000.

Pa., McKeesport — High School — Bd. Educ. having plans prepared by E. Stotz, archt., Monongahela Bank Bldg., Pittsburgh, addition to Technical High School. $300,000.

Pa., Phila.—Bank—Peace & Cullen, c/o W. S. Peace, Land Title Bldg., having plans prepared by Hoffman-Henon Co., archts., Finance Bldg., 2 story, 40 x 117 ft. rein.-con., brick, steel, marble and tile, plain foundation, 1607-1609 Walnut St. $160,000.

Pa., Pittsburgh—Laboratories—University of Pittsburgh, c/o J. G. Bowman, chancellor, plans chemical, physical, biology and research laboratories, 5th and Bellefield Aves. Architect not selected.

Pa., Pittsburgh—High School—Bd. Educ. having plans prepared by McClure & Spahr, archts., Keystone Bldg., and soon takes bids 2 story, 87 x 303 ft., brick or stone, Chartiers, Hutton and Robina Sts. $500,000.

Pa., Pittsburgh — Theatre, etc. — M. Brower, 819 Federal St., plans 2 story, 60 x 240 ft. theatre and store rooms, Federal St. $200,000. E. Crump, Jr., 5423 Kentucky Ave., archt.

Pa., Turtle Creek—Sales, etc.—Struble & Riley having plans prepared by S. C. Richards & Co., archts., 430 Library St., Braddock, 2 story, 76 x 175 ft. sales and service station. $150,000. Noted June 23.

Pa., Warren—Gymnasium—Y. M. C. A., 119 Market St., plans gymnasium, swimming pool, assembly rooms, etc. $150,000.

Md., Baltimore—Hospital—Johns Hopkins Hospital, Homewood Ave., soon lets contract, womens clinic and pathological building, brick and stone. $500,000 and $600,000 respectively. J. E. Sterry, 409 Calvert Bldg., archts. and engrs.

Md., Baltimore—Hotel—Mt. Holly Apartment Hotel Corp., Calvert Bldg., having plans prepared by F. H. Fletcher, archt., 409 North Charles St., 10 story, brick and stone, Mt. Holly Ave. $1,000,000. A. T. Carroza, pres.

W. Va., Wheeling — Store — Stone & Thomas, Market St., having plans prepared by F. F. Farris, archt., Wheeling, brick addition, Market and Bridge Sts. $300,000. Will mature in spring. Noted June 9.

N. C., Carthage—Court House—Moore Co. plans court house. Bonds for $150,000 to be sold for project.

N. C., Southport—High School—Having plans prepared by J. W. Wilkins & Co., archts., Wilmington, for high school. $150,000. R. Dosher, chmn. School Bd.

Tenn., Nashville — Bank — Federal Reserve Bank, 4th and 1st Natl. Bank Bldg., soon lets contract remodeling Keith Bldg., 2 story, 40 x 112 ft., on 3rd Ave. $200,000. Marr & Holman, Stahlman Bldg., archts.

Tenn., Nashville—Hospital—Protestant Hospital, Church St., having plans prepared by Asmus & Clark, archts., Stahlman Bldg., 6 story, 50 x 275 ft. addition. $250,000.

O., Chagrin Falls—School—Orange Rural Dist., c/o T. W. Taylor, clk., takes bids in spring 2 story school and boiler house. $200,000. C. W. Bates, 77 12th St., Wheeling, W. Va., archt.

O., Cleveland—Commercial and Apartment—C. L. Streich, 11400 Euclid Ave., having plans prepared by F. W. Striebinger, archt., 1900 Euclid Ave., 4 story, 150 x 172 ft., brick and steel, plain foundation, Euclid Ave. and Ford Dr. $300,000.

O., Columbus—Apartment—R. T. Hanford, archt., 681 East Broad St., preparing plans 2 story, 60 x 225 ft., brick, tile, stucco and concrete, East Broad St. $150,000. Owners name withheld.

O., Dayton — Hotel and Auditorium—Pythian Castle Co., 329 South Main St., plans 8 story, brick and rein.-con. hotel and 1 story, brick and steel auditorium, South Main St. $300,000. Architect not selected.

O., Harrison—School—A. R. Williams, trustee, having plans prepared by H. M. Griffin, archt., 105 McFarlan Bldg. Connersville, Ind., 2 story, brick. $150,000.

O., Lakewood (Cleveland, P. O.)—Commercial—W. R. Daniels, 15800 Detroit Ave., having plans prepared by J. W. Chrisford, archt., 1452 Lake Ave., 3 story, 69 x 110 ft., brick and steel, plain foundation. $150,000.

O., Middletown — Office and Store — S. Bergstein, pres. Interstate Folding Box Co., plans 5 story rein.-con. and brick, 3rd St. and Bway. $175,000. Architect not selected.

O., Oxford—Dormitory—Miami University Trustees open bids about Feb. 1. 3 story, rein.-con., on campus. $150,000. W. L. Tobey, Hamilton, pres.

O., West Park—Schools—Bd. Educ. having plans prepared by R. F. Medicus, archt., 268 Crandall St., Youngstown, two 2 story, brick, steel and concrete school additions, plain foundations. $150,000.

Ind., Anderson—Bank—Anderson Banking Co., 10th and Meridian Sts., plans 4 story, brick, concrete and steel. $225,000.

Ind., Batesville — Memorial — Batesville Memorial Comn. having plans prepared by K. P. Hinkel, archt., 108 Heisnmann Bldg., Connersville, 2 story, 66 x 101 ft. brick, tile, stone and steel. $150,000.

Ind., Butler — High School — Bd. Educ. having plans prepared by A. H. Elwood & Son, archts., Haynes Bldg., Elkhart, 2 story, 57 x 125 ft., brick. $150,000.

Ind., Churubusco — School — C. Miller, trustee, Churubusco, and C. H. Hartung, trustee, Huntertown, having plans prepared by G. Mahurin, archt., 500 Lincoln Life Bldg., Ft. Wayne, 2 story, 70 x 135 ft., brick. $150,000.

Ind., Connersville—Court House—Comrs. Fayette Co., plan stone and steel. $300,000. Architect not selected.

Ind., Decatur—School—A. E. Hunt, trustee, Bluffton, having plans prepared by O. Hoffman, archt., Studebaker Bldg., 2 story, 95 x 125 ft., brick, here. $150,000.

Ind., Evansville — Apartment — G. W. Worth Co., Robinson Bldg., Champaign, Ill., having plans prepared by C. Shopbell & Co., archts., Furniture Bldg., 3 story, 85 x 135 ft., brick, South 1st St., here. $150,000.

Ind., Ft. Wayne—Church—First Evangelical Church plans 2 story, brick and stone, De Wald and Clinton Sts. $150,000.

Ind., Ft. Wayne—Hospital—Comrs. Allen Co. having plans prepared by C. R. Weatherhogg, archt., Citizens Bank Bldg., 3 story, brick. $150,000.

Ind., Goshen—High School—Bd. Educ. having plans prepared by A. H. Ellwood & Sons, archts., Haynes Bldg., Elkhart, 2 story, 95 x 120 ft., brick. $300,000.

Ind., Indianapolis — Apartment — W. T. Myers, 314 West 21st St., plans 3 story, brick, 2101-07 Highland Pl. $150,000. Private plans.

Ind., Indianapolis — Church—Columbia Place Christian Church, Cornelius Ave., plans 2 story, 125 x 135 ft., brick and stone, Capitol Ave. $150,000. Architect not selected.

Ind., Indianapolis—Club—Highland Golf Club, c/o C. L. Kirk of Indianapolis Water Co., 113 Monument Pl., having plans prepared by Bass, Knowlton & Co., archts., 801 Hume-Mansur Bldg., 2 story, stucco, concrete and tile, near Riverside Park. $150,000.

Ind., Indianapolis—School—Bd. Educ. having plans prepared by E. E. Dunlap & Co., archt., 909 State Life Bldg., 2 story, 95 x 138 ft., brick, Bloyd and Winter Aves. $152,000.

Ind., Indianapolis—Schools—Bd. Educ. having plans prepared 2 story, 105 x 130 ft., Bloomington and Market Sts., $308,000; 2 story, 95 x 125 ft., Park Ave. and 17th Sts., $175,000; both brick. E. E. Dunlap & Co., 909 State Life Bldg., archt. for former. McGuire & Shook, 320 Pythian Bldg., archt. for latter.

Ind., Laporte—Hotel—Hotel Rumley having plans prepared by C. H. Weatherhogg, archt., Citizens Trust Bldg., Ft. Wayne, 5 story, 80 x 125 ft., brick addition. $150,000.

Ind., Rockville—Sanitorium—Bd. Trustees Indiana State Sanitorium soon takes bids 2 story, 45 x 100 ft., brick. $150,000. Shourds-Stoner Co., 511 Tribune Bldg., Terre Haute, archts.

Ind., Terre Haute—College—Rose Polytechnic Institute, 13th and Locust Sts., having plans prepared by Stone & Webster, archts., 147 Milk St., Boston, Mass., 2 story, 95 x 165 ft., brick and stone. $228,000. H. Foltz, Lemcke Annex, Indianapolis, engr.

Ind., Terre Haute—Hospital—St. Anthonys Hospital, 1021 South 6th St., having plans prepared by J. G. Vrydaugh, archt., 1515 South 8th St., 4 story, brick addition on College Ave. $200,000.

Ind., Vernon — School — C. E. Dawson, trustee, North Vernon, having plans prepared by H. M. Griffin, archt. Connersville, 2 story, 84 x 125 ft., brick and tile. $150,000.

Ind., Warsaw—School—E. Smith, trustee, having plans prepared by Griffith & Goodrich, archts., 211 East Berry St., Ft. Wayne, 2 story, 86 x 111 ft., brick and terra cotta. $150,000.

Mich., Coldwater—Hospital—R. L. Wade, Fremont, Ind., plans 2 story, 72 x 110 ft. brick, here. $150,000. A. H. Ellwood & Son, Haynes Bldg., Elkhart, Ind., archts.

Mich., Detroit—Hotel and Store—E. Kline, c/o Kohner & Seeler, archts., 1402 Kresge Bldg., having plans prepared 4 story, 40 x 80 ft. brick and steel, plain foundation, Chene St. and Milwaukee Ave. $150,000.

Mich., Detroit—School—Bd. Educ. having plans prepared by Malcomson, Higginbotham & Palmer, archts., 405 Moffat Bldg., 2 story, rein.-con., brick and steel addition, plain foundation, Chapin Ave. $200,000.

Mich., Lansing—Temple—Masonic Temple Assn. having plans prepared by E. A. Bowd, archt., 127 West Allegan St., 7 story, 100 x 164 ft. rein.-con., brick, steel and stone, plain foundation, South Capitol Ave. $750,000.

Mich., Mt. Pleasant—Bank—Exch. Savings Bank having plans prepared by Hoggson Bros., archts. and engrs., 485 5th Ave., New York, 2 story, 50 x 80 ft. brick and stone addition, plain foundation. $140,000. A. E. Gorman, pres.

Ill., Chicago—Apartment—R. Levine, 133 West Washington St., having plans prepared and soon receives bids 3 story, 80 x 153 ft., rein.-con., brick and stone, on Northwest Side. $150,000. Whitney & Williams, 122 South Michigan Ave., archts.

Ill., Springfield — Apartment Hotel—Apartment Hotel Securities Co., c/o W. S. Troxell & Co., 5th and Capitol Sts., plans brick, steel, rein.-con. and stone, at 4th and Canedy Sts. $900,000. D. M. Newton, pres. Private plans.

Ill., Sterling—Store—Hardware Products Co., 201 4th Ave., plans 3 story, 50 x 142 ft., brick and mill construction. $150,000. A. W. Wheeler, pres. Architect not selected.

Wis., Madison—University of Wisconsin Y. M. C. A., 740 Langdon St., having plans prepared by J. R. and E. J. Law, archts. Strand Theatre, 4 story, 50 x 250 ft., brick, rein.-con. and steel, Langdon St. $150,000. Noted Nov. 24.

Wis., Milwaukee—School—St. Rose Congregation, 3007 Sycamore St., having preliminary plans prepared by A. C. Eschweiler, archt., 141 Wisconsin St., 3 story,

Buildings (Continued)

138 x 200 ft., brick and concrete, plain foundation, 30th and Clybourn Sts. $275,000.

Wis., Sparta—High School—School Bd. plans brick, tile and concrete, plain foundation. $250,000. S. D. Beebe, pres. Architect not selected.

Wis., Wausau—Hospital—D. L. Plumber Hospital, c/o L. A. Bradt, 1st Natl. Bank Bldg., having plans prepared by Berlin, Swern & Randall, archts., 19 South La Salle St., Chicago, 4 and 5 story, brick, rein.-con., steel and stone. $300,000.

Ia., Clear Lake—Club—Clear Lake Golf & Country Club, Ames & Sullivan, owners, having plans prepared by G. L. Lockhart, archts., 1353 University Ave., St. Paul, Minn., 4 story, 41 x 204 ft., brick, stucco and tile. $160,000.

Ia., Clear Lake—High School—Bd. Educ. having plans prepared by G. L. Lockhart, archt., 1353 University Ave., St. Paul, Minn., 2 story, rein.-con., brick, stone and tile. $150,000. R. Ingersoll, clk.

Ia., Clinton—Academy—Our Lady of Angels, c/o Sister M. Anastasius, plans brick, rein.-con. and stone. $250,000. Architect not selected.

Ia., Clinton—Cathedral—Clinton Consistory, c/o F. M. Howard, Merchants Natl. Bank Bldg., 514 South 2nd St., plans brick, stone, steel and rein.-con. $250,000. Architect not selected.

Ia., Clinton — Church — Congregational Church, 7th Ave. and 4th St., plans brick, steel, rein.-con. and stone. $150,000. Architect not selected.

Ia., Clinton—Theatre—Amuse-U Theatre Co., 326 Iowa Bldg., plans brick, steel and rein.-con., 4th St. $150,000. A. H. Blank, pres. Architect not selected.

Ia., Osceola—Hotel—W. H. Totten, c/o Iowa State Bank, plans 3 story, rein.-con., brick, stone and steel. $150,000. Architect not selected.

Minn., Minneapolis—Apartment—R. L. Harrington, 12 South 6th St., having plans prepared by A. Rose, archt., 500 Builders Exch. Bldg., 3 story, rein.-con., brick, tile and stone, 28th St. and Humboldt Ave., S. $150,000.

Kan., Independence — Memorial — Plans memorial building. $280,000. G. H. Krienhagen, city clk. Architect not selected.

Kan., Topeka—Club—Womens Club, c/o L. Munn, 315 Topeka Ave., having plans prepared by F. C. Squires, archt., 628 Kansas Ave., 3 story, 75 x 100 ft., brick and stone. $150,000.

Mo., Kansas City—Lodge and Office—Gate City Building Co., 924 Baltimore Ave., having plans prepared by Tarbet & Gornall, archts., 507 Republic Bldg., 5 story, 80 x 105 ft., rein.-con., steel, stone and terra cotta, near 31st and Troost Aves. $200,000.

Mo., St. Louis—Theatre—Aubert Photo Play Co., Title Guaranty Bldg., rejected bids brick, stone and terra cotta, Aubert and Easton Aves. $250,000. P. Klingenschmidt, 5086 Wells Ave., archt. Noted Nov. 3.

Col., Boulder—High School—Voted $404,000 bonds for high school. V. M. Smith, secy. Noted Nov. 17.

Wash., Seattle—Bank and Office—Dexter-Horton Estate, New York Blk., had plans prepared by J. Graham, archt., L. C. Smith Bldg., 13 story, 120 x 127 ft., brick and granite, 701 3rd Ave. $1,000,000. This structure will replace 3rd Ave. half of present New York Blk., and when completed a similar structure will replace present 2nd Ave. half of building.

Wash., Seattle—Office—Central Building Co. plans 2 story, 111 x 240 ft., steel, granite and terra cotta addition to present 8 story building, 3rd Ave. between Marion and Columbia Sts. Cost between $150,000 and $175,000. A. L. Hawley, mgr. Architect not selected.

Cal., Redwood City—High School—Sequoia Union High School Dist. having plans prepared by C. Werner and A. I. Coffey, archts., Humboldt Bank Bldg., San Francisco, 1 and 2 story, State Highway and Bway. $300,000.

Cal., Richmond—High School—Trustees of School Dist. take bids in January, 1 and 3 story, 216 x 321 ft., rein.-con. and tile, 9th St. and Bissell Ave. $200,000. J. T. Narbett, 910 Macdonald Ave., archt.

Cal., Sacramento—Bank and Office—Sacramento-San Joaquin Bank had plans prepared by Weeks & Day, archts. and engrs., Phelan Bldg., San Francisco, 18 story, Southeast 7th and K Sts. $1,250,000.

Cal., Sacramento—Capitol—State soon takes bids two 5 story, steel, granite and stone additions, concrete pile foundations. $3,000,000. Weeks & Day, Phelan Bldg., San Francisco, archts. and engrs.

Cal. San Jose—Hospital—San Jose Hospital Assn. takes bids about Jan. 5, 3 story, fireproof construction, East Santa Clara St. near 14th St. $175,000. Binder & Curtis, 255½ South 1st St., archts.

Cal., San Jose—Office—Commercial Club, 1st Natl. Bank Bldg., had preliminary plans prepared by Binder & Curtis, archts., 255½ South 1st St., 10 story, steel and concrete, South 1st St. between Santa Clara and San Fernando Sts. $400,000. W. J. Cross, secy.

Cal., San Mateo—Bathhouse—Pacific City, c/o N. Messer (promoter), Mills Bldg., San Francisco, having preliminary plans prepared by T. Edwards, archt., 833 Market St., San Francisco, 3,000 ft. bathhouse with enclosed plunge, auditorium, dance halls, café, board walk, etc., here. $1,000,000.

Ont., London—University—Bd. Governors Western University receives bids about March, three 2 and 4 story, brick and stone buildings, North London. $2,000,000. Prices wanted on all materials. S. Fox, dean. W. J. Brown, Western University, archt.

Ont., Toronto—Church—Bloor St. Baptist Church, Bloor and North Sts., plans 1 story, rein.-con., brick and steel, plain foundation, Yonge and Heath Sts. $200,000. Architect not selected.

BIDS DESIRED

Mass., Boston — Hospital — Dec. 20, by Supt. City Hospital, Harrison Ave., 2 story, 43 x 150 ft. and 43 x 107 ft. top addition, and two 6 story, 28 x 43 ft. and 40 x 43 ft. annexes, rein.-con., brick and steel, plain foundation, Harrison Ave. $475,000. Former contract cancelled. Noted Dec. 8.

Mass., Brookline—High School—Dec. 20, by School Bd., 3 story, 61 x 153 ft., with 85 x 89 ft. and 40 x 124 ft. wings, brick, Tappan Ave. $550,000. Kilham & Hopkins, 9 Park St., Boston, archts.

Mass, Stoughton—High School—Dec. 21, by School Bd., 3 story, 73 x 122 ft. brick, Pearl St. $190,000. C. G. Loring, 7 Water St., Boston, archt.

Conn., Norwich—Business—Disco Bros., 267 Main St., receiving bids 5 story, 54 x 130 ft. concrete, brick, steel and stone, plain foundation, Main St. $150,000. Cudworth & Thompson, Thayer Bldg., archts. Noted Nov. 3.

N. J., Secaucus (Weehawken P. O.)—Insane Asylum—Dec. 22, by Bd. Freeholders Hudson Co. (Jersey City), five 2 story, brick and steel buildings, incl. power house, here. $700,000. J. T. Rowland, Jr., 100 Sip Ave., Jersey City, archt.

Pa., Phila.—Church—Jan. 1, by C. J. Mitchell, archt., 129 North 5th St., 1 story, 132 x 156 ft. brick, steel and stone, plain foundation, for Diocese of Phila., c/o D. C. Dougherty, 1723 Race St. $250,000.

W. Va., Bluefield—Bank—A. B. Mahood, archt., L. & C. Bldg., receiving bids for structural steel for 7 story, 30 x 100 ft., rein.-con., stone, granite and steel. $175,000. Excavating contract to C. W. Hancock & Sons, 1st Natl. Bank Bldg., Lynchburg, Va. Noted May 26.

Tenn., Nashville — Dormitory — Peabody Teachers College, Peabody Campus, taking bids rein.-con. and brick, incl. 75 rooms, dining rooms and cafeteria. $150,000. H. C. Hibbs, 4th and 1st Natl. Bank Bldg., archt. Noted Sept. 22.

O., Cleveland — Commercial — W. S. Ferguson Co., archts., 1900 Euclid Ave., taking bids 2 story, 68 x 175 ft., brick, steel and concrete, plain foundation, 2500 Euclid Ave., for Twenty-Five Hundred Co., c/o M. Marmorstein, Natl. City Bank Bldg. $150,000.

Ill., Chicago—Store, Office and Hotel—R. F. France, archt., 155 North Clark St., receiving bids 3 story, 87 x 125 ft., rein.-con., brick and steel, Bway. and Berwyn Ave., for R. T. Davis, 133 West Washington St. $150,000.

Ill., Chicago—Apartment—Levy & Klein, archts., 111 West Washington St., receiving bids 3 story, 100 x 150 ft., rein.-con., brick and steel, Sheridan and Winthrop Aves., for A. Solar, c/o architects. $180,000.

Tex., Dallas—Hospital—Dec. 30, by M. G. James, city secy., three 3 story, 30 x 130 ft. wings, rein.-con., brick and terra cotta, Oak Lawn and Maple Aves. $300,000. H. M. Greene Co., North Texas Bldg., archts.

Ont., Hamilton—School—F. W. Warren, archt., Home Bank Bldg., receiving bids 2 story, 20 room, concrete, brick and steel, Main St., for Bd. Edu. $300,000. Noted Nov. 24.

BIDS RECEIVED

Mass., Everett—High School—Bd. Educ., 3 story, 176 x 203 ft. rein.-con. and brick, plain foundation, Bway., from F. G. Coburn, 294 Washington St., Boston, $425,500; J. Slotnick Co., 448 Bway., Chelsea (Boston P. O.), $438,640; C. S. Cunningham & Sons, 80 Boylston St., Boston, $459,400. Noted Sept. 22.

N. Y., Brooklyn—School—C. B. J. Snyder, supt. School Buildings of Bd. Educ., Municipal Bldg., New York, opened bids Dec. 7, P. S. 187, 12th Ave. between 64th and 65th Sts., here, from T. A. Clarke Co., 122 Livingston St., $543,600; Frymier & Hanna Co., 25 West 45th St., New York, $555,000; J. MacArthur Co., 220 Ormond Pl., $555,000; Putnam Constr. Co., Inc., 303 5th Ave., New York, $563,870. Noted Dec. 1.

N. Y., New York — Hall — Bd. Educ. opened bids Dec. 7, reconstructing, altering and repairing its hall, Park Ave. and 59th St., construction, from J. H. Goldblatt, 231 East 77th St., $142,100, G. Colon & Co., 81 East 125th St., $160,781, J. T. Brady & Co., 103 Park Ave., $167,000; sanitary work, from P. F. Kenney Sons, Inc., 33 Old Bway., $22,830, J. A. Graf, 394 Waverly Ave., Brooklyn, $27,487, J. J. Kenney Co., 220 West 20th St., $28,000.

N. Y., New York—School—C. B. J. Snyder, supt. School Buildings of Bd. Educ., Municipal Bldg., opened bids Dec. 7, alterations and additions to P. S. 41, Olinville Ave. and Magenta St., from M. T. Kelly Co., Inc., 33 Old Bway., $121,945; A. W. King & Co., 81 East 125th St., $127,229; J. T. Brady & Co., 103 Park Ave., $130,130, Noted Dec. 1.

Mich., Detroit — School — Bd. Educ., 2 story, rein.-con., brick and steel, plain foundation, Grand River Ave., from Cooper-Widenmann Constr. Co., 1430 Penobscot Bldg., $274,250, Culbertson & Kelly, 872 Milwaukee Ave., $276,017, J. Bollin Co., 1259 Book Bldg., $276,900; 2 story, rein.-con., brick, steel and stone addition, plain foundation, Ogden Ave., from Corrick Bros., 507 Owen Bldg., $173,737, Martin & Krausmann Co., 606 Woodward Ave., $174,850, Culbertson & Kelly, 872 Milwaukee Ave., $174,869. Noted Nov. 17.

Mich., Saginaw—School—Bd. Educ., 3 story, 177 x 292 ft., rein.-con., South Weadock Ave., from Realty Constr. Co., Flint, $499,785; Owens, Ames & Kimball, 42 Pearl St., Grand Rapids, $518,000; W. E. Wood, Ford Bldg., Detroit, $519,950. Noted Nov. 17.

CONTRACTS AWARDED

Mass., Roxbury (Boston P. O.)—School—Schoolhouse Comn., City Hall Annex, 2 story, 139 x 145 ft., rein.-con., brick, steel and stone, plain foundation, School St., to T. O'Connor Co., Cambridge, $283,000. Noted Dec. 8.

Conn., Hartford—Business—Estate of J. J. Goodwin, 36 Pearl St., 2½ story, 110 x 110 ft rein.-con., brick, steel and stone, plain foundation, Haynes St., to C. P. Waterman, Inc., 75 Pratt St. Noted Oct. 27.

Conn., West Hartford (Hartford P. O.)—High School—School Bd., 2 story, 68 x 113 ft. brick and steel, plain foundation, New Britain Ave., to D. O'Brien & Sons, Inc., 118 Asylum St., Hartford, $154,900.

N. Y., New York—Apartment—Hor-Beck Realty Co., 1170 Bway., 5 story, brick, steel and stone, plain foundation, Grand Concourse near 192nd St., by day labor. $165,000. H. Hurwitz, 1170 Bway., archt. and engr.

N. Y., New York—Apartments—Hudson Building Co., c/o Springsteen & Goldhammer, archts. and engrs., 32 Union Sq., two 5 story, 75 x 100 ft., brick, steel and stone, plain foundations, Edgecombe Ave., by day labor. $150,000 each.

N. Y., New York—Apartment and Hotel, etc.—Twenty One Twenty Bway. Corp., 471 4th Ave., 15 story, 60 x 150 ft., brick, steel and stone, plain foundation, Bway. and 74th St., to J. G. Siegel, 17 East 49th St., $1,400,000.

N. Y., New York—Restaurant and Office—Horn & Hardart Co., 600 West 50th St., 5 story, brick, steel and stone, plain foundation, 68 Trinity Pl., to P. J. Murphy, 405 Lexington Ave., $450,000.

N. J., Glassboro—Normal School—State Bd. Educ., State House, Trenton, general contract, 2 story, 185 x 268 ft., rein.-con., brick and steel, concrete pile foundation, here, to Pennsylvania Constr. & Eng. Co., 3840 Spring Garden St., Phila., $376,000; heating and ventilating equipment, to Du-Pont Eng. Co., Wilmington, Del., $47,270. Noted Nov. 24.

Buildings (Continued)

Pa., Phila.—Office—Atlantic Refining Co., 1211 Chestnut St., 21 story, 117 x 138 ft., rein.-con., brick and steel, caisson foundation, Broad and Spruce Sts., to Metzger, Fisher & White, Otis Bldg., $2,000,000.

Pa., Warren—Church—Grace Methodist Episcopal Church, general contract for 1 story, 93 x 157 ft., Pennsylvania and Prospect Aves., to H. Shenk & Co., 132 7th St., Pittsburgh, $150,000.

D. C., Wash.—Embassy—J. B. Anderson, 2200 16th St., embassy building, Indiana limestone, to P. F. Gormley Co., Union Trust Bldg., $500,000. Noted Nov. 10.

D. C., Washington—School—Dist. Comrs., 509 Dist. Bldg., Wheatley School addition, to J. L. Parson, Jr., and G. Hyman, corner Morse St. and West Virginia Ave., $206,194. Noted Dec. 8.

La., New Orleans—Clubhouse—West End Country Club, brick and stucco clubhouse on Lake Pontchartrain, New Basin Canal and Meboirie Ridge, to J. Reiss, Carondelet Bldg., $150,000.

O., Akron—Hotel and Theatre—Akron Prospect Co., North Prospect St. (Commodore Perry Hotel), 10 story, 132 x 190 ft., brick, steel and concrete, plain foundation, East Market and Prospects Sts., to W. Dunbar Co., 8201 Cedar Ave., Cleveland, $2,000,000. Former contract rescinded. Noted July 7.

O., Bay Village—School—Bd. Educ., 2 story, 93 x 151 ft., brick, steel and concrete, plain foundation, to Clemmer & Johnson, 406-7 Metropolitan Bldg., Akron, $200,000. Noted July 7.

O., Canton—High School—Bd. Educ. 3 story, 144 x 226 ft., brick, steel and concrete, plain foundation, 6th St., to A. F. Wendling Co., Massillon, $431,000. Noted Nov. 24.

O., Cincinnati — Hotel — Gibson House Co., Walnut St. near 4th St., general contract, 14 story, 102 x 190 ft., brick, concrete and terra cotta, 5th and Walnut Sts., to Wells Bros. Constr. Co., 53 West Jackson Blvd., Chicago, $2,000,000.

O., Dayton — Apartment — Co-operative Corp., 811 U. B. Bldg., 3 story, rein.-con., brick and stone, Central and Plymouth Sts., to J. E. Lowes, Schwind Bldg., $180,000.

O., Norwood (Cincinnati P. O.) — Seminary—Kunz & Beck, archts., Carew Bldg., Cincinnati, 3 and 4 story, 232 x 354 ft., brick, steel and concrete, Norwood Heights, here, to Ferro Concrete Co., 3rd and Elm Sts., Cincinnati, for St. Marys Theological Seminary. $700,000.

O., Rocky River—Commercial and Apartment Hotel—Riverview Impvt. Co., c/o B. Little, 3751 Prospect Ave., Cleveland, 8 story, 55 x 340 ft., brick, steel and concrete, plain foundation, Detroit Rd., here, to Crowell & Little Constr. Co., 3751 Prospect Ave., Cleveland, $1,500,000.

Ind., Evansville—Hospital—St. Marys Hospital, 4 story, 44 x 117 ft., brick addition on Columbia St., to M. J. Hoffman Constr. Co., Furniture Bldg., $200,000.

Mich., Detroit—Theatre and Office—Martha Theatre Co., c/o P. R. Rossello, archt., Congress Bldg., 2 story, 100 x 154 ft. rein.-con., brick and steel, plain foundation, Jos. Campau Ave., to C. M. Ross, 858 Penobscot Bldg., $250,000.

Mich., Grosse Pointe Park (Detroit P. O.)—School—Dist. 1, Grosse Pointe Twp., 475 St. Clair Ave., Grosse Pointe, 2 story, rein.-con., brick and steel, plain foundation, St. Paul Ave., to F. R. Patterson Constr. Co., 1922 Ford Bldg., Detroit, $213,000. Noted Nov. 17.

Mich., Port Huron—Theatre—Port Huron Theatre Co., 2 story, 88 x 150 ft., rein.-con., brick and steel, plain foundation, Military St., to Charron & Riddell, Port Huron, $175,000. Noted Sept. 8.

Ill., Amboy—High School—J. N. Coleman, archt., 6257 St. Lawrence Ave., Chicago, 2 story, 107 x 189 ft. school, to C. H. Schank, 1329 South 6th St. Springfield, for Bd. Educ. $150,000. Noted Nov. 24.

Ill., Chicago—Apartment—J. S. Aroner & Co., archts., 25 East Jackson Blvd., 3 story, 100 x 150 ft., rein.-con., brick and steel, Le Clair and Washington Sts., to R. Sollit & Sons, 30 North La Salle St., $150,000. Owners name withheld.

Ill., Chicago—Office—Holabird & Roche, archts. 104 South Michigan Ave., 2 story, 118 x 125 x 192 ft., rein.-con., brick and stone, 1206-24 Lake Shore Dr., to Avery Brundage, 110 South Dearborn St., for Illinois Life Insurance Co., c/o architects. $500,000. Noted Nov. 3.

Ill., Chicago — Store and Office — D. S. Klafter, archt., 64 West Randolph St., 3 story, 85 x 105 ft., rein.-con., brick and stone, Michigan Ave. and Walton St., to H. Sjoblom, 1724 Grace St., $150,000, for Michigan Walton Bldg Corp., c/o architect. Noted Oct. 20.

Ill., Peoria — School — Bd. Educ., Genn Oak School, 2 story, 100 x 150 ft., to W. M. Allen Sons & Co., 929 Jefferson Bldg., $175,000. Noted Oct. 20.

Kan., Hays—Church and Dormitory—Hays Methodist Episcopal and Episcopal Congregation, c/o G. A. Baldwin, pastor, 2 story, to F. LaRosh, Dearfield, $200,000. Noted May 12.

Kan., Paola—School—Bd. Educ., c/o C. Ruff, secy., 2 story, 72 x 88 ft., brick, stone and rein.-con., to C. Petty, Paola, $175,000.

Wyo., Laramie—Office—J. P. Markley, Connor Hotel Bldg., 3 story, 72 x 132 ft. brick, steel and terra cotta, 3rd St. and Grand Ave., to R. R. Paine, 214 South 8th St., E., Salt Lake City, Utah. Noted Sept. 29.

Tex., Kerrville — Sanitorium — Bldg. Bd., Amer. Legion Memorial Sanitorium, Austin, 1 story infirmary, 1 story laundry, 2 story nurses home, boiler house, etc., brick, tile and concrete, to McKenzie Constr. Co., 606 Bedell Bldg., San Antonio, $270,400; conduits and tunnels for steam pipes, to Elder Constr. Co., Moore Bldg., San Antonio, $26,370; outside piping and boiler house, to J. L. Martin, 406 Congress Ave., Austin, $53,571. Noted Nov. 24.

Cal., Sacramento—Hospital—Bd. Supervs. Sacramento Co., to W. C. Keating, 1714 27th St., service and childrens ward, $122,850; infectious ward, $88,460; women's ward and men's medical word; $78,620; brick and tile.

Cal., San Francisco—School—Bd. Pub. Wks., 3 story, rein.-con. addition to Mission High School, 18th St. between Dolores and Church Sts., general contract to Mahoney Bros., Crocker Bldg., $196,300; heating and ventilating to J. Nelson, 517 6th St., $37,697. Noted Oct. 27.

Federal Government Work

PROPOSED WORK

Ga., Augusta — Hospital — Treas. Dept., Wash., D. C., plans U. S. Pub. Health Serv. Hospital, here.

Ala., Tuskegee—Hospital—Treas. Dept., Wash., D. C., plans U. S. Pub. Health Serv. Hospital, here.

Mo., Kansas City—Hospital—Treas. Dept., Wash., D. C., plans U. S. Pub. Health Serv. Hospital, here.

Mo., St. Louis—Hospital—Treas. Dept., Wash., D. C., plans U. S. Pub. Health Serv. Hospital, here.

BIDS DESIRED

N. Y., South Brooklyn (Brooklyn P. O.)—Dredging—Spec. 4560—Dec. 28, Bureau Yards and Docks, Navy Dept., Wash., D. C., dredging 35th St. pier and Main Basin, here. Noted Dec. 1.

Md., Annapolis — Deferrization Plant—Spec. 4539 — Dec. 28, Bureau Yards & Docks, Navy Dept., Wash., D. C., deferrizaion plant, here. Noted Oct. 27.

Minn., Duluth—Quarters—Spec. 4549—Jan. 4, Bureau Yards & Docks, Navy Dept., Wash. ,D. C., quarters at radio station, here. Noted Dec. 1.

Cal., San Diego—Gas, Water, etc.—Spec. 4559—Dec. 28, Bureau Yards & Docks, Navy Dept., Wash., D. C., gas, water, sewerage and electric distribution systems, here. Noted Dec. 1.

Cal., San Diego—Lighting System—Spec. 4526—Jan. 4, Bureau Yards & Docks, Navy Dept., Wash., D. C., street lighting system, here. Noted Dec. 1.

BIDS RECEIVED

Md., Baltimore — Lighting Plant, etc.—Dec. 27. Treas. Dept., Wash., D. C., lighting plant, wiring, etc., U. S. Quarantine Sta., here. J. A. Wetmore, acting superv. archt.

D. C., Wash.—Paving—Spec. 4542—Bureau Yards & Docks, Navy Dept., received bids concrete paving at Navy Yard, (1) work complete, from Cranford Paving Co., 2620 E St., (1) $13,311 (55 days), (2) $700, (3) $2,000, (4) $3,100; G. B. Mullin Co., 1296 Upshur St., N. W., (1) $14,241 (60 days), (2) $700, (3) $2,000, (4) $3,000; Corson & Gruman, Wash., (1) $14,990 (60 days), (2) $900, (3) $2,550, (3) $3,990. Noted Oct. 20.

Va., Norfolk—Dredging—Spec. 4553—Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging at Navy Yard, here, from Fred E. Jones Dredging Co., Main and Atlantic Sts., (1) $0.16, (2) $0.16; Arundel Corp., Pier 2, Pratt St., Baltimore, Md., (2) $0.245; Morris & Cummings, 17 State St., New York, (1) $0.265, (3) $0.265. Noted Dec. 1.

N. C., Oteen—Changes to Services, etc.—Treas., Dept., Wash., D. C., changes to services, etc., in U. S. Pub. Health Serv. Hospital, here, from Ransom & Anderson, 136 Liberty St., New York, $19,890 (120 days); G. E. Eng. Co., 449 West 42nd St., New York, $23,960 (120 days); C. J. Gleason, 1526 Walton Way, Augusta, Ga., $24,645 (90 days). Noted Nov. 24.

Ky., Dawson Springs—Water Treating Plant—Dec. 19, Treas. Dept., Wash., D. C., water treating plant, at U. S. Pub. Health Serv. Hospital here. J. A. Wetmore, acting superv. archt.

Minn., Minneapolis—Parcel Post Office—Dec. 29, by R. H. Barclay and G. H. Drake, Post Office Inspectors, 219 Federal Bldg., 1 story, 50,000 sq.ft. floor space, brick and concrete, near main Post Office, 2nd Ave. S. and Washington Ave. $150,000. Federal Government invites proposals to erect above and lease to government for 20 years.

Okla., Tahlequah — Mess Hall — Dept. Interior, Office of Indian Affairs, Wash., D. C., mess hall, at Cherokee Orphan Training school, here, from W. L. Garner, Tahlequah, $31,000; A. M. Burns, Fayetteville, Ark., $31,340; Hillard & Pearce, 220 West 42nd St., New York, $45,000. Noted Oct. 20.

H. T., Pearl Harbor—Storehouse—Spec. 4504—Bureau Yards & Docks, Navy Dept., Wash., D. C., 1 story storehouse, at Naval Operating Base, here, (1) work complete, from W. F. Martin, 53 Franklin St., Rochester, N. Y., (1) $249,964 (280 days), (2) $244,984, (3) $253,814, (4) $251,164, (5) add $22, (6) deduct $10,180, (6a) $21,240, (6b) $21,420, (6c) $10,180, (7) $6,685, (7a) $7,181, (7b) $7,185, (7c) $6,685, (8) deduct $310, (9) $135, (10) $1,460; Hawaiian Contg. Co., 854 Kaahumanu St., Honolulu, (2) $250,000 (250 days), (3) $20, (5) $15,000, (6) $200, (7) $25, (8) $500, telegraphic modification, (2) add $32,205, (3) $250, (5) $6,223, (6) deduct $178, (7) add $61, (8) $396; J. L. Young Eng. Co., Campbell Bldg., Honolulu, (1) $268,572, (2) $252,942, (3) $274,937, (4) $269,850, (5) $14, (6) deduct $8,263, $19,622, $19,328, $11,357, (7) $7,352, (7a) $6,769, (7b) $7,522, (7c) $7,392, (8) $350, (9) $55, (10) $1,622, telegraphic modification, (1) add $8,000, (2) $8,000, (3) $8,000, (4) $8,000, (6) deduct $2,000 a, b, c, (7) deduct $2,000 from a, b, and c, (8) add $1,500. Noted Oct. 6.

CONTRACTS AWARDED

N. Y., Brooklyn — Alterations — Spec. 4554—Bureau Yards & Docks, Navy Dept., Wash., D. C., alterations to contagious disease buildings, at U. S. Naval Hospital, here, to Estate of J. Bauer, 388 Wallabout St., $4,968 (30 days). Noted Nov. 17.

N. Y., New York — Mailing Vestibule — Treas. Dept., Wash., D. C., mailing vestibule, U. S. Post Office, here, to Hillard Pearce, 220 West 42nd St., $12,718.

Md., Baltimore—Dredging—U. S. Engineer, dredging in harbor, here, to E. Breymann, 17 Battery Pl., New York, $141,625. Noted Nov. 3.

O., Cincinnati—Lock Gates—U. S. Engineer, 2nd Dist., steel lock gates for Locks 30 and 32, Ohio River, to Amer. Bridge Co., 1304 Union Trust Bldg., $65,394. Noted Dec. 1.

O., Dayton — Home — Bd. Mgrs., Natl. Home for Disabled Volunteer Soldiers, 2 story, with five wings, brick, steel and concrete, here, to Davis-Hunt Constr. Co., 907 Schwind Bldg., $704,908. Noted Dec. 8.

Wash., Walla Walla—Mechanical Equipment—Treas. Dept., Wash., D. C., mechanical equipment, U. S. Pub. Health Serv. Hospital, here, to Bergh-Griggs Co., 936 Commerce St., Tacoma, $121,375. Noted Dec. 8.

Cal., Los Angeles — Dredging — Dist. Engr., dredging 2,000 ft., here, to United Dredging Co., Central Bldg., $37,340. Noted Sept. 8.

Cal., San Diego—Dredging Plant—U. S. Engineer, hire and operation of dredging plant, to Olympian Dredging Co., 249 1st Ave., San Francisco, $125,000.

FEDERAL POWER COMMISSION

Applications for licenses and permits.

Applications

261. J. H. Hughes, 405 Sharon Bldg., 55 New Montgomery St., San Francisco, Cal.—Wants permit for small diversion dam, ditch and 1½ mi. pipe line to power house on French Creek, near North Fork of Feather River, Butte Co.

262. R. H. Hardaway, 1508 3rd Ave., Columbus, Ga.—Wants permit for 40 ft. dam and power house in Choctawhatchee River, near Geneva, Ala.

263. W. J. Barker, c/o W. H. Ellis, 504 Southern Bldg., Wash., D. C.—Wants permit for dam in Grand River, near Kremling, Grand Co., Col. Project includes reservoir, 1,030,000 acre feet capacity, and

Federal Government Work (Continued)

tunnel to power house, developing 57,000 hp.

264. Northwestern Electric Co., Pittock Blk., Portland, Ore.—Wants permit for 3 developments on North Fork of Lewis River, Clarke and Cowlitz Counties, Wash., as follows: Swift Creek Unit, dam, incl. reservoir and 10 mi. canal to power house near Swift Creek; Cougar Creek Unit, diversion dam, 6½ mi. conduit and power house; Condit Site, power house, reservoir and dam. Total development 60,000 primary hp.

265. G. P. Mohler, P. O. Box 516, Needles, Ariz.—Wants permit for series of dams, in Colorado River, Mohave Co., Ariz. and Clark Co., Nev., beginning at lower end of Pyramid Canyon and extending to Boulder Canyon.

266. B. H. Hardaway, 1508 3rd Ave., Columbus, Ga.—Wants permit for power house and 40 ft. dam, in Pea River.

267. A. E. Killebrew, Newton, Dale Co., Ala.—Wants permit for power house and 80 ft. dam in Choctawhatchee River near Newton.

Miscellaneous

PROPOSED WORK

Dock, Canal, etc.—Hartford, Conn.—Bd. Water Comrs. having plans prepared for work in connection with South Meadows development, incl. docks, canals, drainage system, etc. Fay, Spofford & Thorndike, 15 Beacon St., Boston, Mass., engrs.

Baseball Park—Buffalo, N. Y.—Buffalo Baseball Club, 101 East Ferry St., plans rein.-con. and steel grandstand, stores and offices. $300,000. S. L. Robertson, 155 Pearl St., pres.

Piers—Baltimore, Md.—Plans 2 piers on McComas St., 1,200 ft. long, 250 ft. wide, with 300 ft. berth for ships between each one. Cost of group together with railroad yards and track facilities about $50,000,000. To be leased to Western Maryland Ry. Co. J. E. Greiner, chn. Port Development Comn. B. Hill, City Hall, engr.

Stadium—Baltimore, Md.—Varsity Club, Johns Hopkins University, Homewood Ave., plans rein.-con. stadium to seat 50,000, $300,000. Architect not appointed.

Seawall, etc.—West Palm Beach, Fla.—Dec. 27, to vote on $50,000 bonds for seawall and fill around part Lake Worth. K. D. Riddle, city mgr.

Swimming Pool, etc.—Nashville, Tenn.—Cascade Corp. making plans 84 x 220 ft. concrete swimming pool, showers, dressing rooms, athletic equipment, etc. $100,000. S. M. McMurray Eng. Co., 4th and 1st Natl. Bank Bldg., engrs.

Underground Wiring—Lima, O.—Passed Ordinance requiring all Electric Light, Telephone and Telegraph Companies to remove certain poles and place certain wiring underground within a year. $1,000,000. F. A. Burkhardt, mayor.

Stadium—South Bend, Ind.—Notre Dame University plans concrete and steel stadium. $500,000. Architect not selected.

Road Machinery—Antigo, Wis.—Langlade Co. appropriated $10,000 for road machinery. C. Olsen, comr.

Road Machinery—Balsam Lake, Wis.—Polk Co. appropriated $8,000 for road machinery. C. W. Nystrom, comr.

Road Machinery—Baraboo, Wis.—Sauk Co. appropriated $10,000 for road machinery, incl. 2 crushers, tractor, small graders. E. H. Groth, comr.

Tractor, etc.—Black River Falls, Wis.—Jackson Co. voted $3,500 for tractor and large grader. W. Tibbitts, comr.

Road Machinery—Chilton, Wis.—Calumet Co. appropriated $4,000 for road machinery. W. Hoenig, comr.

Road Machinery—Crandon, Wis.—Forest Co. appropriated $5,000 for road machinery. F. J. Rogers, comr.

Road Machinery — Grantsburg, Wis.—Burnett Co. appropriated $1,000 for road machinery, incl. patrol graders and gravel loader. G. E. Miller, Webster, comr.

Road Machinery — Hurley, Wis. — Iron Co. appropriated $10,000 for road machinery, incl. 3 trucks. F. B. Goodman, comr.

Road Machinery—Juneau, Wis.—Dodge Co. appropriated $5,000 for road machinery, incl. crushing outfit. E. T. Klug, comr.,

Road Machinery, etc.—Kenosha, Wis.—Kenosha Co. appropriated $20,000 for road machinery, incl. 1 truck, large grader and cement mixer. J. F. Herzog, comr.

Road Machinery, etc.—Manitowoc, Wis.—Manitowoc Co. appropriated $19,000 for road machinery, incl. 2 tractors, 2 trucks and 3 small graders. J. Connell, comr.

Road Machinery — Mauston, Wis. — Juneau Co. appropriated $1,600 for road machinery. A. V. Robison, comr.

Road Machinery — Menomonie, Wis.—Dunn Co. appropriated $3,000 for road machinery. F. Stewart, comr.

Road Machinery—Monroe, Wis.—Green Co. appropriated $35,000 for road machinery. C. J. Smith, comr.

Road Machinery—Racine, Wis.—Racine Co. appropriated $10,000 for road machinery, incl. small truck and concrete mixer. W. A. Bechthold, comr.

Patrol Graders — Rhinelander, Wis.—Oneida Co. appropriated $5,000 for patrol graders. B. L. Horr, comr.

Transmission Line — Shawano, Wis.—North Wisconsin Power Co., c/o J. B. Read, University of Wisconsin, University Ave., Madison, making plans electric transmission line from here to Stiles Junction, incl. 40 mi. 66,000 volt primary and 46 mi. 13,000 volt intermediary. $200,000. J. S. Allen, Madison, engr.

Road Machinery—Sparta, Wis.—Monroe Co. appropriated $10,000 for road machinery. C. H. Millard, comr.

Road Machinery—Washburn, Wis.—Bayfield Co. appropriated $10,000 for road machinery, incl. 1 truck, large grader and possibly tractor. J. Friberg, comr.

Road Machinery — Waukesha, Wis.—Waukesha Co. appropriated $16,400 for road machinery. C. J. Hahn, comr.

Rotary Snow Plow, etc.—Waukesha, Wis.—Waukesha Co., appropriated $10,000 and soon takes bids rotary snow plow and other machines and equipment for removing snow. C. J. Hahn, Delafield, engr.

Road Machinery—Waupaca, Wis.—Waupaca Co. appropriated $20,000 for road machinery. J. Huffcut, comr.

Transmission Line—Carrington, N. D.—To vote on $50,000 bonds, high tension transmission line from here to central plant at New Rockford. C. C. Carnahan, clk.

Trenching Machine—San Francisco, Cal.—Schultz Constr. Co., 46 Kearny St., will be in the market in about one month for trenching machine for working at 12 and 15 ft. depths.

Gas Line—Belmont, Ont.—Progressive Oil & Gas Co., Imperial Bldg., Hamilton, plans gas mains from here to point near London. $30,000. Prices wanted on drilling supplies, piping, etc.

Hydro Electric System—London, Ont.—Ontario Power Comn. plans hydro system in towns of Tara, Port Elgin, Southhampton and Paisley. $100,000. Address A. Beck, 169 Albert St., chn.

Electric Lighting and Power System—Londesboro, Ont.—Hullet Twp. plans electric lighting and power distribution system. $40,000. Address J. Fingland, Londesboro.

Electric Light and Power System—St. Marys, Ont.—Blanshard Twp. plans electric light and power distribution system. $40,000. Address J. H. Jameson, St. Marys. Engineer not selected.

Road Machinery—Sault Ste. Marie, Ont.—Plans to purchase road machinery, incl. rock crusher, screens, elevator, stone bins, trucks, scrapers, scarifier, pressure oil spray and dump wagons. $18,000.

Electric Lighting and Power System—Thedford, Ont.—Bosanquet Twp. plans electric lighting and power distribution system. $30,000. J. N. Wilson, 190 University Ave., Toronto, engr.

Electrification of Railway Yards—Windsor, Ont.—Grand Trunk Ry., London, plans electrification of railway yards, here. Address, C. Forrestly, London, div. engr.

BIDS DESIRED

Seawall—Portland, Me.—Dec. 29, by Directors Port of Portland, 67 Commercial St., seawall, incl. removing structures, dredging, filling, etc. Fay, Spofford & Thorndike, 15 Beacon St., Boston, Mass., engrs.; adv. this issue.

Concrete Mixer, etc.—Buffalo, N. Y.—G. Parks & Sons Co., Inc., 217 15th St., in market for ½ yd. concrete mixer and 1 orange peel bucket for unloading gravel.

Cranes, etc.—Stapleton, S. I., N. Y.—Dec. 21, by M. Hulbert, comr. Docks, Pier "A," foot of Battery Pl., New York, installing and putting into successful operation, cranes, elevators, electric power transmission and steam heating plants, on Piers 12 and 13, here. Contr. 1686. Former bids rejected. Noted Oct. 13.

Power Shovels—New Orleans, La.—Dec. 22, by Bd. Port Comrs., automatic power shovels, etc. H. M. Gallagher, 1 Canal St., ch. engr.; adv. this issue.

Shed—New Orleans, La.—Dec. 22, by Bd Port Comrs., shed at Congress St. landing. R. S. Hecht, pres.; adv. this issue.

Road Machinery, etc.—Madison, Wis.—Dane Co., c/o E. J. Smith, Court House, receiving bids road machinery also machinery for gravel pit at Edgerton, incl. bucket conveyors, scoops, etc.

Turbo-Generator—Lincoln, Neb.—Jan. 4, by T. H. Berg, city clk., furnishing and erecting on foundations furnished by city one 2,500 kw. turbo-generator with surface condenser and switchboard complete, at city water and electric light plant, $75,000. G. W. Bates, city engr.

Distribution System—Watertown, S. D.—Jan. 12, Public Utilities Comn., complete distribution system, street and commercial wiring. $40,000. A. J. Mueller, supt. electric light plant.

Transit Shed—Tacoma, Wash.—Dec. 29, by Port of Tacoma 180 x 1,040 ft. concrete and tile transit shed. E. Kloss, secy. Noted Dec. 8.

Cement and Steel—Modesto, Cal.—Dec. 23, by Dirs. of Turlock and Modesto Irrigation Dists., 50,000-200,000 bbl. portland cement, f.o.b. factory, delivery at rate of 25,000 bbl. per month commencing January, 1922; 20,000 lb. 1¼ in. sq., 90,000 lb. ⅝ in. and 154,000 lb. ½ in. deformed steel reinforcing bars, f.o.b. cars San Francisco. P. Jones, ch. engr. Modesto Dist. R. V. Meikle, ch. engr. Turlock Dist.

Electroliers—Redwood City, Cal.—Jan. 3, by City Trustees, installing 53 electroliers, 9,600 lin.ft. 1½ in. conduit and 9,600 lin.ft 2 conduit cable. C. L. Dimmitt, 1st Natl. Bank Bldg., engr.

Railway Material—San Francisco, Cal.—Jan. 4, by Bd. Pub. Wks., furnishing and delivering under Sect. A, 820 ton 9 in. girder rail, 1,600 pair joint plates, 150 kegs track bolts; Sect. B, 200 kegs spikes, 30,000 tie plates; Sect. C, 3,000 tie rods, Contr. 127, Municipal Ry. System. M. M. O'Shaughnessy, city engr.

Ties—San Francisco, Cal.—Dec. 21, by Bd. Pub. Wks., 20,000 r.w. or cedar ties, delivered at Municipal Pipe Yard, 6th and Hubbell Sts., Contr. 126, Municipal Ry. System. M. M. O'Shaughnessy, city engr.

BIDS RECEIVED

Dredge Repair—New York, N. Y.—Dept. Docks & Ferries, Pier "A" North River, opened bids Dec. 12, for repairs to dredge "Grabit," from Standard Shipbuilding Corp., 27 Pearl St., $28,000; Verdun & Co., $28,862; J. Shewan & Son, 32 Bway., $28,950. Noted Dec. 8.

Pier—New York, N. Y.—Commissioner of Docks & Ferries, Pier "A" North River, opened bids Dec. 12, new pier at foot of 44th St., North River, Contr. 1736, from G. B. Sperin, Inc., 90 West St., $363,565; H. Steers, Inc., 17 Battery Pl., $365,024; A. M. Hazell, Inc., 26 Cortlandt St., $379,945. Noted Dec. 8.

Paving Material—Pensacola, Fla.—Furnishing material for paving ¾ mi. West Garden St., from W. J. Berry 110 North Alacaniz St., gravel $2.70 per cu.yd.; W. R. Taylor, 229 East Garden St., sand, $1.80 per cu.yd., cement, $3 per bbl., J. Gerkins, 800 North Hayne St., reinforced steel $0.13½ per sq.yd.; R. Taylor, 233 East Garden St., hauling sand, $0.40 per cu.yd., hauling cement, $0.06 per bbl.

CONTRACTS AWARDED

Grandstand—Wash., D. C.—Washington Baseball Club, 7th and Florida Ave., N. W., steel and concrete addition to grandstand, to G. A. Fuller Co., Munsey Bldg., $150,000.

Granite Coping—Wash., D. C.—Bd. Pub. Bldgs. and Grounds, c/o C. O. Sherrill, 1729 New York Ave., granite coping for reflecting pool, Lincoln Memorial, West Potomac Park, to North Carolina Granite Corp., Mt. Airy, N. C., $51,857. Noted Sept. 29.

Coal Trestle.— Orient, O. — Dept. Pub. Welfare, Columbus, coal trestle and railroad siding, at Institution for Feeble Minded, here, to Grant-Boulton Co., Central Natl. Bank Bldg., Columbus, $19,270. Noted Dec. 8.

Grain Elevator—Chester, Ill.—H. C. Cole Milling Co., concrete grain elevator, 300,000 bu. capacity, to R. C. Stone Constr. Co., Chester, $200,000. Noted Dec. 1.

Dock — Allouez, Wis. — Great Northern Ry. Co., Railway Bldg., St. Paul, Minn., razing Great Northern Ore Dock 2, on Allouez Bay, to Stack Constr. Co., 306 Sellwood Bldg., Duluth, Minn., $100,000. Noted Dec. 3 under "Superior."

Transmission Line—Arena, Wis.—Wisconsin River Power Co., Gay Bldg., Madison, will build 18 mi. electric transmission line from here to Spring Green, by day labor. $25,000.

OFFICIAL PROPOSALS

Bids: Dec. 20.

Combined Sewer for Red Run District

Warren, Ohio.

Sealed bids will be received by the Director of Public Service of the City of Warren, State of Ohio, at the office of the Board of Control, until twelve o'clock noon, Central Standard Time, on December 20, 1921, for furnishing the necessary labor and materials and for constructing approximately 8,800 linear feet of combined sewer, between 72" and 120" in diameter, with 415 linear feet of 36" diameter cast iron pipe outfall line, and appurtenances complete, beginning at the Mahoning River near the mouth of the Red Run, and terminating near the intersection of Dana Avenue and Hughes Road, according to plans and specifications on file in the office of the City Engineer and in the office of the Consulting Engineer, Alexander Potter, 50 Church Street, New York City.

Bidders will submit separate and distinct proposals for furnishing materials or labor or both, in accordance with the laws of the State of Ohio, governing the award of contracts for public works. The work will be let in three sections. Each bid must contain the full name of every person or company interested in the same, and be accompanied by a bond or a certified check on some solvent bank, in the sum of five per cent (5%) of the total bid, but in no event less than Five Thousand Dollars ($5,000.00), to the satisfaction of the Director, as a guarantee that if the bid is accepted a contract will be entered into and its performance properly secured. Should any bid be rejected, such check or bond will be forthwith returned to the bidder, and should any bid be accepted such check or bond will be returned upon the proper execution and signing of the contract.

Plans and specifications may be seen at the office of the City Engineer, Warren, Ohio, or at the office of Alexander Potter, Consulting Engineer, 50 Church Street, New York City. Copies of plans and specifications may be obtained from the former on payment of $10.00 which will not be refunded.

Bidders are required to use the form furnished by the City in submitting bids upon this work.

The right is reserved to reject any and all bids.

E. H. BRAUNBERNS,
Director of Public Service.
GEORGE T. HECKLINGER,
City Clerk.

Bids: Dec. 22.

Power Shovels, etc

New Orleans, La.

Sealed proposals will be received by the Board of Commissioners of the Port of New Orleans, at their office, suite 200 New Orleans Court Building, 7:30 P.M., December 22nd, 1921, and then publicly opened for the furnishing of Automatic Power Shovels and other equipment as shown and specified, for use at the Coal Handling Plant.

A deposit of $300.00 (Three Hundred Dollars) in cash or certified check is required with proposal.

Bond of 50% of bid is required with Notarial Contract.

Payment, 90% of the bid for material will be paid upon delivery and acceptance of same on the site. The balance will be paid 20 days after the shovels and other equipment have been placed in operation and has been satisfactory to the Chief Engineer of the Board.

Proposals must be submitted on a special proposal form prepared by the Board.

Plans and specifications and proposal forms are on file in the office of Mr. H. M. Gallagher, Chief Engineer, No. 1 Canal Street, by whom full sets will be furnished to prospective bidders.

The right is reserved to reject any or all bids and to waive informalities.

R. S. HECHT,
President.
J. F. FINKE, JR.,
Secretary.

These Advertisements

are official notices that bids are wanted from other than local bidders.

Maximum competition is desired, and this is assured through Engineering News-Record's large NATIONAL circulation, reaching almost every contractor, dealer, and manufacturer in the country interested in bidding on public work contracts. It is the DOMINANT MEDIUM for advertising contracts for work, material, and supplies for towns, cities, counties, state and government departments, and private organizations.

Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate: 40 cents a line an insertion.

Bids: Dec. 27.

Auto Service Station

Trenton, N. J.

Notice is hereby given that sealed bids will be received by the State Highway Commission of New Jersey for the following:

For the construction of an Auto Service Station for the New Jersey State Highway Department at Fernwood, in the Township of Ewing, County of Mercer and State of New Jersey.

The Service Station will be a one story steel and brick structure, outside dimension 404' x 106', 25' 9" high. This contract shall be exclusive of hearing, plumbing, electric lighting and wiring, sprinkling system and foundations.

Bids for the above will be received at the office of the State Highway Commission, Broad St. Bank Building, Trenton, N. J., on December 27th, 1921, at 11:00 A.M., and opened and read immediately thereafter.

Drawings, specifications and form of bid, contract and bond for the proposed work are on file in the office of the State Highway Department, Trenton, N. J., and office of Charles A. Mead, Bridge Engineer, 790 Broad St., Newark, N. J., and may be inspected by prospective bidders. Plans will be furnished on deposit of ten ($10.00) dollars, for this Auto Service Station upon application to A. Lee Grover, Chief Clerk, 901 Broad St. Bank Bldg., Trenton, or Charles A. Mead, Bridge Engineer, 790 Broad St., Newark. Bids must be made on the standard proposal forms in the manner designated therein and as required by the specifications for this work; same to be enclosed in sealed special addressed envelopes bearing the name and address of bidder and the work bid upon on the outside, and must be accompanied by a certified check drawn to the order of the State Treasurer for not less than ten (10%) per cent of the amount of the bid, provided that said certified check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the above place on or before the hour named. Copies of the standard proposal form and special addressed envelope will be furnished on application to A. Lee Grover, Chief Clerk, 901 Broad St. Bank Bldg., or to Charles A. Mead, Bridge Engineer, 790 Broad St., Newark, N. J. Bids not enclosed in special envelope will be considered informal and will not be opened.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the specifications conditioned for the faithful performance of the provisions of the contract and specifications.

By order of the State Highway Commission.

A. LEE GROVER,
Chief Clerk.

Bids: Jan. 13.

Sewage Disposal Plant

Milwaukee, Wis.

Sealed proposals for the construction of a Sewage Disposal Plant will be received by the Sewerage Commission of said city at its offices in the City Hall until 1:30 o'clock P.M. of the 13th day of January, 1922, at which time and place during the session of said Commission, they will be publicly opened and read.

The work to be done embraces the construction of the main portion of the Sewage Disposal Plant, consisting of aeration and sedimentation tanks, galleries, conduits, superstructures, piping and all appurtenances connected therewith. The approximate yardage of concrete is 61,500, with 5,000 tons of reinforcing steel to be placed and a large amount of miscellaneous piping.

The time allowed for the completion of the contract shall be eighteen (18) months from the date of the notice of the engineer to begin the work.

The liquidated damages for not completing the work within the time specified shall be One Hundred ($100.00) Dollars for each day in excess thereof.

Each proposal submitted must be accompanied by a cash deposit or certified check drawn to the order of the Sewerage Commission of the City of Milwaukee, to the amount of Twenty-five Thousand ($25,000.00) Dollars.

Specifications and blank forms of proposals can be obtained and detail plans examined at the offices of the Sewerage Commission. A full set of plans and a copy of the specifications will be sent to any contractor upon the receipt of Twenty-five ($25.00) Dollars, which amount will be refunded upon the return of the plans in good condition, provided such return is made on or before the expiration of 30 days after the date of receiving bids.

The Sewerage Commission reserves the right to reject any and all proposals submitted.

JOHN H. FOWLES,
Secretary.

Countersigned:
LOUIS M. KOTECKI,
City Comptroller.

Bids: Dec. 22.

Steel Structure

New Orleans, La.

Sealed proposals will be received by the Board of Commissioners of the Port of New Orleans at their office, suite 200 New Orleans Court Building, until Thursday, December 22nd at 7:30 P.M., and then publicly opened for furnishing, erecting and painting structural steel for shed at the Congress Street Landing. (Approximately 200 tons.)

A deposit of $1,000.00 in cash or certified check is required with each proposal.

A bond to the amount of 50% of the sum bid is required with notarial contract.

Plans, specifications and proposal form are on file in the office of the Chief Engineer at No. 1 Canal Street, New Orleans, La. Complete sets will be furnished to prospective bidders on deposit of $10.00, which will be refunded to depositors who submit proposals or return sets in good condition.

The right is reserved to accept any or reject all bids and to waive informalities.

R. S. HECHT,
President.
J. F. FINKE, JR.,
Secretary.

Bids: Dec. 23.

Tanks and Boilers

New Orleans, La.

Separate sealed proposals will be received by the Sewerage and Water Board of New Orleans, up to noon Friday, Dec. 23, 1921, for Two 55,000 bbl. oil tanks, and 1,500-1,800 hp. Water Tube Boilers.

A. G. MOFFAT,
Secretary.

GEORGE G. EARL,
General Superintendent.